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# **The Canadian Wheat Board**

## **ANNUAL REPORT 1986/87**









# **THE CANADIAN WHEAT BOARD**

**ANNUAL REPORT  
1986-87**

The cover of this report shows a "Welsh fan" wheat weaving design made from Wakooma durum wheat. It was produced by Leslie Benci of Winnipeg, Manitoba. Wheat weaving originated as a means of showing appreciation for a bountiful harvest and to ensure good crops for the coming year. According to custom, the life-giving spirit of the wheat brings peace and prosperity to the home that displays these harvest emblems.



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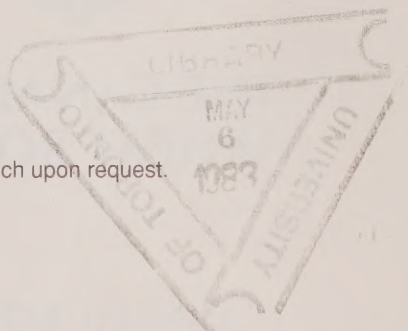
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Copies of this Annual Report are available in French upon request.

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F. M. Hetland .....	Commissioner
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G. P. Machej .....	Executive Director — Marketing
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Vancouver, British Columbia .....	G. N. Hedalen, Manager
Montreal, Quebec .....	G. M. Champagne, Manager

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Toyko, Japan .....	T. Ono, Manager
--------------------	-----------------





Honourable Charles Mayer  
Minister of State,  
Grains and Oilseeds  
Ottawa, Ontario

Winnipeg, Manitoba  
March 31, 1988

Sir:

We are pleased to submit the Annual Report of the Canadian Wheat Board for the crop year ending July 31, 1987, as required by the Canadian Wheat Board Act.

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# PART I THE INTERNATIONAL GRAIN MARKET



## INTRODUCTION

Despite a record Western Canadian grain crop and record export sales, 1986-87 was another disappointing year for grain producers. Even though Wheat Board sales rose by 30 per cent in 1986-87, sales revenue to producers fell by 13 per cent. This was due mainly to the U.S. expanding its export subsidy program to include the majority of world wheat importers, and the EEC wheat export subsidies that totaled nearly twice the sales value. The 1986 crop of the six major grains in Western Canada totaled 51.4 million tonnes, the largest crop ever. This was more than 10 million tonnes larger than in 1985 and five million tonnes larger than the previous record crop in 1982.

In 1986-87, world wheat production again increased while coarse grain production fell slightly. World production of rice, the other major cereal in the world, remained at the record level of 1985, resulting in a record world cereal production of 1.85 billion tonnes in 1986. Meanwhile, price-depressing stocks of wheat and coarse grains continued to build on the world market. World wheat and coarse grain trade showed only moderate improvement in 1986-87 despite the significant drop in world grain prices.

## WHEAT

### Production

World wheat production in 1986 was 535 million tonnes, up 30 million tonnes or six per cent from 1985. In most areas of the world, 1986 wheat production was not significantly different from 1985 levels. The major exception was the U.S., where a combination of increased acreage set aside and lower yields reduced production by 14 per cent to 56.9 million tonnes. The reduced U.S. production was due primarily to the increased incentive to participate in acreage reduction and land diversion programs resulting from the substantial increase in deficiency payments in 1986-87.

After two years of drought-reduced crops, increased acreage and favourable growing conditions resulted in a record Canadian wheat crop of 31.4 million tonnes, up 29 per cent from 1985. The U.S.S.R. wheat crop is officially reported as having increased in 1986, but there is some question as to the magnitude of this increase due to varying reports on Soviet production. European wheat output increased by 3.6 million tonnes largely due to an increase in Eastern European production. Production in the EEC changed very little, increasing by only

one per cent in 1986. Brazil's wheat production increased again in 1986 to 5.4 million tonnes, up 1.2 million tonnes or 28 per cent.

**TABLE 1  
WORLD WHEAT PRODUCTION**

	1985	1986 <sup>1</sup>
	(Thousands of Tonnes)	
EUROPE	112 481	116 128
EEC <sup>2</sup>	71 248	71 965
Others	41 233	44 163
U.S.S.R.	78 100	92 300
NORTH & CENTRAL AMERICA	95 460	93 072
U.S.A.	66 001	56 925
Canada	24 252	31 378
Others	5 207	4 769
SOUTH AMERICA	15 155	16 904
Argentina	8 700	8 858
Brazil	4 230	5 433
Others	2 225	2 613
ASIA	148 421	157 481
China	85 810	90 300
India	44 069	46 885
Others	18 542	20 296
MIDDLE EAST	28 276	31 107
Iran	6 207	6 631
Syria	1 700	1 850
Turkey	17 032	19 000
Others	3 337	3 626
AFRICA	10 466	11 639
Algeria	1 647	1 445
Egypt	1 873	1 900
Morocco	2 359	3 809
South Africa	1 680	2 250
Others	2 907	2 235
OCEANIA	16 570	16 488
Australia	16 167	16 128
Others	403	360
Others Unspecified	71	—
<b>WORLD TOTAL</b>	<b>505 000</b>	<b>535 119</b>

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

Source: For Canada — Statistics Canada

For United States — USDA Crop Production, October 1987

For all other countries — IWC World Wheat Statistics 1987





Wheat output in the People's Republic of China increased significantly over 1985 levels, up 4.5 million tonnes to 90.3 million tonnes. Production in other Asian countries, including India and Pakistan, increased 4.6 million tonnes. As well, production increased in the Middle Eastern and African countries due to generally favourable growing conditions. The most significant production increases in this area occurred in Saudi Arabia, Iran, Turkey, Morocco and South Africa. In the major exporting countries in the Southern Hemisphere, production changed very little. Argentine wheat production increased marginally, less than two per cent, while Australian production remained essentially the same as in 1985. China and the U.S.S.R. continued to be the world's largest wheat producers.

## Trade

The 1986-87 crop year showed only a moderate increase in world trade, up 5.7 million tonnes to 88.2 million tonnes. This is still substantially below the record level in 1984-85 of 102.9 million tonnes, a level which the world's major wheat exporters, the U.S. and the EEC, view as normal. U.S.S.R. wheat imports dropped 0.2 million tonnes in 1986-87 to remain close to last year's dramatically lowered levels. This is a result of the generally good Soviet wheat crop in 1986-87. Several other countries reported declines in wheat imports in 1986-87. These include: Portugal, United Kingdom, Romania, Chile, Turkey and Pakistan, primarily due to increased domestic production in those countries.

In 1986-87, several areas of the world showed moderate increases in imports. European imports increased, primarily as a result of an increase in imports by Yugoslavia due to reduced wheat production in 1986-87. Italy, Egypt, Tunisia, Mexico, Brazil, Iran, Iraq, Bangladesh, China, and South Korea showed increases in imports in 1986-87. China (the world's second largest wheat importer in 1986-87) increased imports by 1.9 million tonnes or 28 per cent. The U.S.S.R. was the largest wheat importer in 1986-87.

Of the five major exporting nations (which normally account for over 80 per cent of world exports), only Australia and Argentina had lower exports in 1986-87. Argentina's exports declined by 1.9 million tonnes or 30 per cent while Australia posted a less drastic decline of 1.1 million tonnes or seven per cent.

These declines in exports were more than made up for by the substantial increases in exports by Canada, the United States, and, to a lesser extent, the European Community. Canada's wheat exports increased by 3.0 million tonnes to nearly 21 million tonnes, an increase of

**TABLE 2**  
**EXPORTS OF WHEAT AND WHEAT FLOUR**  
**By Principal Exporter (July-June Crop Year)**

	1985-86	1986-87
	(Thousands of Tonnes)	
Argentina	6 197	4 338
Australia	16 100	14 973
Canada	16 800	20 781
United States	23 500	27 200
EEC <sup>2</sup>	14 300	15 500
Others	2 739	5 600
<b>WORLD TOTAL</b>	<b>82 700</b>	<b>88 400</b>

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

Source: IWC December 8, 1987, Market Report

17 per cent over 1985-86 levels. U.S. exports increased by 3.7 million tonnes to over 28 million tonnes, an increase of nearly 16 per cent. The Export Enhancement Program allowed the U.S. to export wheat at an artificially low price which effectively set the price for the world market. In 1986-87, China and the U.S.S.R. received allocations of wheat under the EEP and purchased wheat under these allocations late in the crop year. In 1986-87, the European Community's wheat exports increased by 1.2 million tonnes to just over 15 million tonnes, an increase of eight per cent over 1985-86.

The growing use and trade of wheat as a feed grain, begun in 1985-86, continued in 1986-87. The quality of Canada's wheat crop was somewhat reduced in 1986-87, with the percentage of feed wheat up to 17 per cent from a five-year average of four per cent. For this reason, Canada continued to be a major exporter of feed wheat, along with the EEC. The U.S.S.R. and South Korea were the major importers.

Even though Australia's wheat production fell only marginally in 1986, significantly lower carryover stocks resulted in the decreased wheat exports in 1986-87. Canadian wheat carryover increased somewhat from 1985, but the record 1986 Canadian production resulted in record exports even though a significant proportion of these exports were of lower-quality wheat. Despite a slight increase in production, Argentine wheat exports were substantially reduced due to the low carryover from the previous year. The increase in EEC-12 wheat exports in 1986-87 was due to several factors. The increase in production, coupled with an increase in carryover stocks and the extremely competitive export market dominated by the U.S. and the EEC through the use of



export subsidies, resulted in the eight-per cent increase in European Community wheat exports in 1986-87. Saudi Arabia continued to be a commercial exporter of wheat, exporting 1.6 million tonnes in 1986-87, an increase of over 500 per cent from 1985-86.

### Carryover Stocks

World carryover stocks of wheat at the end of 1986 increased by 9.6 million tonnes, or seven per cent, the fifth consecutive year of stocks buildup. Buildup of stocks continued in the EEC-12, which had an increase of 0.6 million tonnes, but the highest increase in stocks occurred in the U.S. where government storage programs resulted in a 13-million-tonne or 34 per cent increase in wheat stocks.

Much of the large U.S. wheat carryover was isolated from the market as it was held under government programs such as the Commodity Credit Corporation stocks, the Farmer-Owned Reserve and the nine-month Loan Program. Despite essentially no change in 1986 in Argentine and Australian wheat crops, compared to 1985, carryover stocks were reduced substantially in 1986. Argentina's wheat stocks fell 33 per cent to 300 000 tonnes in 1986 while Australia's carryover stocks fell by 2.6 million tonnes or 31 per cent. Canadian wheat carryover increased somewhat as well, up nearly one million tonnes due to the record harvest in 1986.

Most of the other areas of the world, including Asia, the Middle East and Africa, experienced declines in wheat carryover stocks in 1986. The exception to this was Brazil where carryover stocks increased 76 per cent to 4.1 million tonnes due to a significant increase in production in 1986.

### Price

The world wheat price continued its downward slide in 1986-87. This was the year in which the U.S. and the EEC price and subsidy war was expanded into virtually all major wheat markets. The U.S. Export Enhancement Program (EEP), which was originally billed as being targeted at markets unfairly lost to the EEC, became a virtual blanket subsidy by the end of 1986-87. In addition, the EEC export restitution system resulted in a significant drop in world wheat prices. Combined, these two programs benefited wheat buyers while severely affecting export returns for Canada, Australia and Argentina.

Prices fell below the already depressed levels of 1985-86 by an additional 16 per cent for U.S. Hard

**TABLE 3**  
**WORLD WHEAT CARRYOVER STOCKS**

	1985 (Thousands of Tonnes)	1986 <sup>1</sup>
EUROPE (INCLUDES USSR)	32 050	30 140
EEC <sup>2</sup>	17 816	18 405
Others	7 794	7 295
NORTH & CENTRAL AMERICA	47 120	61 030
U.S.A.	38 788	51 846
Canada	7 598	8 569
Others	734	615
SOUTH AMERICA	3 181	5 144
Brazil	2 322	4 096
Argentina	451	301
Others	408	747
ASIA	44 928	44 313
China	25 330	24 940
India	15 061	14 096
Others	4 537	5 277
MIDDLE EAST	4 279	4 130
Iran	965	1 065
Iraq	1 121	627
Turkey	250	458
Others	1 943	1 980
AFRICA	3 162	2 239
Algeria	300	300
Egypt	741	680
Morocco	352	64
South Africa	720	428
Others	1 049	767
OCEANIA	8 474	5 809
Australia	8 456	5 806
Others	18	3
WORLD TOTAL	143 194	152 805

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

Source: IWC World Wheat Statistics 1987

Winter Ordinary Wheat f.o.b. U.S. Gulf. When the EEP bonus payments to U.S. exporters are taken into account, the effective price decline is nearly 50 per cent as a result of bonus levels of between U.S.\$20-\$50 per tonne. The U.S. wheat loan rate fell from U.S.\$3.30/ bushel in 1985-86 to U.S.\$2.40 in 1986-87 under the Food Security Act of 1985. This put significant down-





ward pressure on prices in the 1986-87 crop year as the U.S. loan rate essentially acts as a floor price in the world market. EEC wheat export refunds increased from U.S.\$91/tonne on July 25, 1986, to U.S.\$163/tonne on April 24, 1987.

## DURUM

### Production

World production of durum in 1986 was 29.2 million tonnes, a record level representing an increase of 3.9 million tonnes or 15 per cent over 1985. Western Canada's production alone almost doubled to 3.9 million tonnes, up from 2.0 million tonnes in 1985. While the volume was high, stocks of higher quality durum were relatively tight. Extremely unfavourable harvesting conditions in the fall of 1986 resulted in a lower-quality Canadian durum crop. The same can be said for the U.S. crop. Poor harvesting weather conditions resulted in both a lower-volume and poorer-quality U.S. durum crop in 1986. U.S. production dropped by 397 000 tonnes or 13 per cent in 1986. Durum production increased in Western Europe and the Middle East as well as in Morocco. However, output of durum dropped in Algeria and particularly in Tunisia where production fell by 691 000 tonnes, a 65-per cent decrease.

### Trade

World trade in durum in 1986-87 increased by 23 per cent to 4.2 million tonnes. The increase was due primarily to increased import demand in the EEC, Libya, Venezuela and Tunisia. Canadian durum exports increased by 0.6 million tonnes in 1986-87 to nearly 2.0 million tonnes. EEC-12 exports of durum fell significantly to 93 000 tonnes, a drop of 81 per cent from 1985-86 due to an increase in demand for durum in Europe and stiff competition from the U.S. for market share in durum. U.S. durum exports rose by 0.7 million tonnes to 2.0 million tonnes, an increase of 49 per cent over 1985-86 levels. The crop year 1986-87 should be noted as a year in which significant volumes of durum were sold as feed wheat on the world market due to the generally low quality of the 1986 crop in the U.S. and Canada, the two major durum exporters.

### Carryover

In the major exporting countries, durum carryover stocks were up by over 1.0 million tonnes at the end of 1986, an increase of 21 per cent over the previous year's level. This was due to a large increase in production, particularly in Canada. While exports also increased in

**TABLE 4**  
**WORLD DURUM PRODUCTION**

	1985 (Thousands of Tonnes)	1986 (Thousands of Tonnes)
<b>WESTERN EUROPE</b>	5 940	7 180
Austria	51	45
EEC <sup>2</sup>	5 870	7 113
France	729	1 022
Greece	776	1 266
Italy	3 851	4 385
Portugal	32	40
Spain	371	254
<b>NORTH AMERICA</b>	5 170	6 710
Canada	1 957	3 897
U.S.A.	3 062	2 665
<b>SOUTH AMERICA</b>	140	200
Argentina	43	54
<b>MIDDLE EAST</b>	6 740	7 460
Syria	680	740
Turkey	5 500	6 000
<b>NORTH AFRICA</b>	3 810	3 630
Algeria	1 072	950
Morocco	1 342	1 981
Tunisia	1 069	378
Others <sup>3</sup>	3 500	4 020
<b>WORLD TOTAL</b>	25 300	29 200

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

<sup>3</sup> Includes Estimates for the U.S.S.R. & Other Centrally Planned Countries  
Source: IWC World Wheat Statistics

**TABLE 5**  
**EXPORTS OF DURUM BY**  
**PRINCIPAL EXPORTERS**

	1985-86 (Thousands of Tonnes)	1986-87 (Thousands of Tonnes)
Canada	1 385	1 957
EEC <sup>3</sup>	498	93
U.S.A.	1 368	2 038
Others	159	102
<b>WORLD TOTAL</b>	3 410	4 190

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> July-June crop year except for Canada which is an August-July crop year

<sup>3</sup> Twelve Member States

Source: For Canada — Statistics Canada "Grain Trade of Canada" and Canadian Grain Commission "Canadian Grain Exports"

For all other countries — IWC Market Report, December 1987



1986-87, the increase in exports was more than offset by the increase in production, hence the increase in carryover stocks. The largest increase in carryover stocks occurred in Canada where stock levels increased by 1.1 million tonnes. This was due to the significant increase in low-quality durum production. EEC-12 durum carryover increased in 1986 due to the substantial drop in durum exports. U.S. durum stocks were reduced by 0.7 million tonnes to 2.6 million tonnes, a decline of 22 per cent, due primarily to the increase in U.S. durum exports in 1986-87.

## Price

As a result of the lack of high-quality durum supplies for export from Canada and the U.S., the major durum exporters, world prices for durum were at a substantial premium to milling wheat prices through most of 1986-87. Durum prices were lower at the start of the crop year due to expectations of a good quality 1986 crop. However, when the quality of this new crop in Canada and the U.S. proved to be unfavourable, durum began trading at a U.S.\$10-\$20 premium (five per cent to 15 per cent) over milling wheat. This price strength occurred despite the U.S. selling durum to Algeria under the EEP with an average subsidy of U.S.\$34 per tonne. Tight supplies of 3 HAD or better quality durums required by the U.S. to meet its export commitments kept upward pressure on durum prices in spite of the extensive use of the EEP in 1986-87.

## COARSE GRAINS

### Production

World coarse grain production in 1986-87 was 848.6 million tonnes, a decrease of one per cent from last year's record level. Coarse grain production increased marginally in Asia, South America, the U.S.S.R., Eastern Europe and Africa. Coarse grain production fell in Western Europe, North and Central America and Australia. A small decrease in world production of corn, from 488 million tonnes in 1985 to 480 million tonnes in 1986, as well as an 11 per cent decrease in sorghum production, was largely responsible for the decrease in world coarse grain production.

The large U.S. corn crop of 210 million tonnes was down seven per cent in 1986, primarily due to the U.S. acreage reduction program and paid land diversion which resulted in reduced corn acreage seeded in 1986. World barley production increased by four per cent or 5.4 million tonnes in 1986 to 182 million tonnes. Barley production rose mainly in Canada, Eastern Europe, the

**TABLE 6**  
**WORLD DURUM CARRYOVER STOCKS IN THE**  
**MAJOR EXPORTING COUNTRIES**

	1985-86 (Thousands of Tonnes)	1986-87 <sup>1</sup>
Canada (August/July)	554	1 625
EEC-12 (July/June)	1 200	1 900
U.S.A. (June/May)	3 293	2 585
<b>WORLD TOTAL</b>	<b>5 047</b>	<b>6 110</b>

<sup>1</sup> Subject to Revision

Source: IWC Market Report, December 1987, for the EEC and U.S.A.  
Statistics Canada for Canadian figures

U.S. and the U.S.S.R., which had the largest increase of 16 per cent. Declines in barley production occurred in Australia, China and the EEC-12 in 1986. World production of sorghum fell by 8.4 million tonnes in 1986, a decrease of 11 per cent from 1985 levels.

### Trade

At 85.8 million tonnes, world trade in coarse grains was less than one per cent larger than in 1985-86. Coarse grain imports fell significantly in Western Europe from 8.2 million tonnes in 1985-86 to 4.6 million tonnes in 1986-87. Eastern Europe, the U.S.S.R., Japan and South America also reduced coarse grain imports in 1986-87.

To offset these declines in world coarse grain trade, Mexico, Saudi Arabia, China, South Korea, Taiwan and Algeria increased imports in 1986-87. There was also considerable variation in coarse grain exports between 1986-87 and 1985-86. Exports increased from Canada, South Africa and the U.S.A., while decreasing in Argentina, Australia, China, the EEC-12 and Thailand. The U.S. share of the world coarse grain market increased from 43 per cent in 1985-86 to 55 per cent in 1986-87. U.S. corn exports remained virtually the same in 1986-87 at 34 million tonnes or 61 per cent of the world corn exports, while U.S. barley exports increased 2.2 million tonnes, a one per cent decrease from 1985-86.

Overall world trade in corn remained constant at 55.3 million tonnes, barley trade increased by 12 per cent, and sorghum trade decreased by 20 per cent in 1986-87. World trade in minor coarse grains (rye, oats, millet and miscellaneous grains) increased by 15 per cent from the previous year.



**TABLE 7**  
**WORLD PRODUCTION OF COARSE GRAINS**

	1985 (Millions of Tonnes)	1986 <sup>1</sup> (Millions of Tonnes)
<b>WESTERN EUROPE</b>	102.1	94.1
EEC <sup>2</sup>	89.0	81.9
Denmark	6.0	5.8
France	26.8	23.8
Germany, Fed. Rep. of	16.0	15.2
Italy	8.4	8.3
Spain	15.1	11.5
United Kingdom	10.4	10.6
Others EEC	6.3	6.7
Sweden	4.3	4.1
Others	8.8	8.1
<b>EASTERN EUROPE</b>	70.0	75.2
German Dem. Rep.	7.5	7.7
Hungary	8.2	8.5
Poland	17.3	17.5
Romania	17.4	18.7
Yugoslavia	10.9	13.6
Others	8.7	9.2
<b>U.S.S.R.</b>	100.0	106.2
<b>NORTH &amp; CENTRAL AMERICA</b>	323.1	298.2
Canada	24.9	25.5
Mexico	19.8	16.6
U.S.A.	274.9	252.9
Others	3.5	3.2
<b>SOUTH AMERICA</b>	45.1	46.7
Argentina	18.1	12.1
Brazil	20.6	27.6
Others	6.4	7.0
<b>ASIA</b>	152.1	159.4
China	84.5	89.9
India	29.0	29.0
Indonesia	4.6	5.9
Thailand	5.4	4.6
Turkey	9.1	10.1
Others	19.5	19.9
<b>AFRICA</b>	55.3	61.1
Egypt, Arab Rep. of	5.2	4.6
Nigeria	10.0	10.6
South Africa	8.8	8.1
Others	31.3	37.8
<b>OCEANIA</b>	9.1	7.7
Australia	8.1	6.7
Others	1.0	1.0
<b>WORLD TOTAL</b>	856.8	848.6

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

Source: For Canada — Statistics Canada

For United States — World Grain Situation and Outlook, December 1987

For all other countries — IWC Market Report, December 1987

**TABLE 8**  
**EXPORTS OF COARSE GRAINS**  
**By Principal Exporters (July-June Crop Year)**

	1985-86 (Millions of Tonnes)	1986-87 (Millions of Tonnes)
Argentina	9.5	7.0
Australia	5.6	3.3
Canada	4.4	7.0
China	6.4	4.8
EEC <sup>2&amp;3</sup>	8.5	7.9
South Africa	1.1	1.9
Thailand	4.0	2.9
U.S.A.	36.4	47.5
Others	9.2	3.5
<b>WORLD TOTAL</b>	85.1	85.8

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

<sup>3</sup> Excluding EEC Intra-Trade

Source: For Canada — Canadian Grain Commission (August-July crop year)

For U.S.A. — USDA World Grain Situation and Outlook, December 1987

For all other countries — IWC Market Report, December 1987

Western European and U.S.S.R. corn imports declined in 1986-87, the former by 56 per cent and the latter by nearly 10 per cent. This was offset by increases in corn imports by Mexico, China, South Korea, and Algeria.

### Carryover Stocks

The near record level of world coarse grain production in 1986, combined with a basically constant level of world trade, resulted in another increase in world carryover stocks. At the end of the 1985-86 crop year, world coarse grains carryover stood at 106 million tonnes. By the end of the 1986-87 crop year, these stocks had increased by 58 per cent to 168 million tonnes. U.S. corn stocks contributed the largest proportion of this increase in world coarse grain stocks as they increased 60.7 million tonnes or 145 per cent in 1986.

### Price

With such enormous stocks of coarse grains overhanging the world market, there was considerable downward pressure on coarse grain prices throughout the 1986-87 crop year. U.S. quoted f.o.b. corn prices from U.S.\$65-\$80 per tonne for much of the year, supported by the 1986-87 loan rate for corn of U.S.\$1.92 per bushel (U.S.\$75.59/tonne). Argentina quoted prices





at similar levels to U.S. prices. Prices were maintained at these low levels due to the prospect of good crops again in 1987, the availability of large volumes of feed wheat and a further reduction in the U.S. loan rate beginning in September. These factors contributed to an extremely bearish price outlook for all coarse grains in 1986-87.

In addition, EEP allocations of barley to Algeria, Israel, Jordan, Poland, Saudi Arabia and Tunisia, as well as several other minor barley markets, put a damper on all coarse grain prices. The entry of Spain and Portugal into the EEC, beginning in January 1986, resulted in a substantial drop in corn imports by these countries. This contributed to an already depressed situation in the world coarse grain market.

## BARLEY

### Production

World barley production in 1986 was 182 million tonnes, 5.4 million tonnes more than in 1985. The Soviet Union, which leads the world in barley production, accounted for 54 million tonnes, a 7.4-million-tonne increase over 1985 production. Among the major exporters, EEC production fell 4.1 million tonnes to 47 million tonnes while Australian production fell by 1.3 million tonnes to 3.6 million tonnes. The upswing in barley production occurred in Canada, which increased production by 2.2 million tonnes or 18 per cent, and the U.S., which increased barley output by 0.4 million tonnes or three per cent.

### Trade

Total world barley trade reached 18.1 million tonnes in 1986-87, a decrease of 0.2 million tonnes from 1985-86. This trade level has remained relatively flat for the last three years. Canadian barley exports increased substantially from 3.6 million tonnes in 1985-86 to 6.5 million tonnes in 1986-87, an increase of 80 per cent. Barley exports from the U.S. also increased significantly, from 0.8 million tonnes in 1985-86 to 3.0 million tonnes in 1986-87, achieved through the aggressive use of the EEP in world barley markets.

These increases in barley exports were offset by drops in Australian and EEC-12 barley exports, a 1.5-million-tonne drop in the former and a 1.6-million-tonne drop in the latter. The shares of the world barley export market shifted substantially in 1986-87. Canada increased its market share from 20 per cent in 1985-86 to 36 per cent in 1986-87 while the U.S. increased its share

from four per cent to 17 per cent over the same period. Australia's market share fell from 20 per cent to 12 per cent in 1986-87 and the European Community's share fell from 40 per cent to 31 per cent. The world's major barley markets in 1986-87 were Saudi Arabia, the U.S.S.R., and Japan.

### Carryover Stocks

Carryover stocks of barley held by the four major exporters (normally accounting for upwards of 85 per cent of world barley trade) were estimated to be up 3.8 million tonnes at the end of their respective 1986-87 crop years, or 24 per cent over 1985-86 carryover

**TABLE 9**  
**WORLD BARLEY PRODUCTION**

	1985 (Millions of Tonnes)	1986 <sup>1</sup> (Millions of Tonnes)
Australia	4.9	3.6
Canada	12.4	14.6
China	6.2	6.1
Eastern Europe	16.4	16.8
EEC <sup>2</sup>	50.8	46.7
U.S.A.	12.9	13.3
U.S.S.R.	46.5	53.9
Others	26.6	27.1
<b>WORLD TOTAL</b>	<b>176.7</b>	<b>182.1</b>

<sup>1</sup> Subject to Revision

<sup>2</sup> Twelve Member States

Source: USDA World Grain Situation and Outlook, December 1987, for all countries except Canada  
Canada — Statistics Canada

**TABLE 10**  
**EXPORTS OF BARLEY**

	1985-86 (Millions of Tonnes)	1986-87 <sup>1</sup> (Millions of Tonnes)
Australia	3.7	2.2
Canada	3.6	6.5
EEC <sup>2</sup>	7.3	5.7
U.S.A.	.8	3.0
Others	2.9	.7
<b>WORLD TOTAL</b>	<b>18.3</b>	<b>18.1</b>

<sup>1</sup> Subject to Revision

<sup>2</sup> Twelve Member States

Source: USDA World Grain Situation and Outlook, December 1987, for all countries except Canada  
Canada — Statistics Canada & Canadian Grain Commission  
(Aug./July crop year)



stocks. The increase in carryover stocks occurred in the EEC, the U.S.A. and Canada, with the EEC up 1.1 million tonnes, the U.S. up by 1.7 million tonnes and Canada up 1.1 million tonnes. Carryover stocks at 1986-87 year-end remained close to 1985-86 levels in Australia.

### Prices

Barley prices, as with the other coarse grains, were under considerable downward pressure for the crop year 1986-87. An increase in production, growing world stocks and falling export demand resulted in an extremely depressed international coarse grains market.

The U.S. allocated barley under its EEP program to many barley importers in 1986-87, including Algeria, Cyprus, Israel, Jordan, Poland, Romania, Saudi Arabia, Switzerland and Tunisia. With subsidies of approximately U.S.\$38 per tonne, these initiatives served to depress world barley prices to extremely low levels. With U.S. f.o.b. barley price quotes at U.S.\$85 per tonne in June 1987 and a subsidy of U.S.\$38 per tonne, this resulted in a U.S.\$47-per-tonne return from the export sale. Backed off to instore Thunder Bay, this equated to about Cdn.\$40 per tonne or Cdn.\$0.88 per bushel. EEC barley export rebates increased from U.S.\$145 per tonne in the early part of the crop year to U.S.\$168 per tonne near the end of 1986-87.

### OATS

World oats production in 1986 fell seven per cent to 48.3 million tonnes. At 3.0 million tonnes, Canadian oats production decreased 0.2 million tonnes or eight per cent.

Only a small percentage of oats enters world trade. Exports of oats in 1986-87 increased marginally to an estimated 1.3 million tonnes, up eight per cent over 1985-86. The main feature of world oats trade during 1986-87 was the reduction in exports of Swedish and Finnish oats. This provided additional opportunity for sales of Canadian oats to the U.S. market. Although oats export volumes are relatively small compared to other grains, prices were substantially improved in 1986-87. For the past several years, U.S. demand for high-quality oats has largely been met by Swedish and Finnish oats offered at very competitive prices. However, in 1986-87, the availability of these oats was restricted because of concern over the level of radioactivity from the Chernobyl nuclear accident in April 1986. Therefore, strong U.S. demand in 1986-87 was largely filled by Canadian oats, with the result that prices improved throughout the year.



## PART II SALES OF CANADIAN GRAIN

### WHEAT AND WHEAT PRODUCTS

Canadian exports of wheat and durum wheat in 1986-87 totaled 20.8 million tonnes, a 17-per-cent increase over the level of the previous year, and the third-largest export volume on record. During the marketing year, the Wheat Board aggressively sought out markets for an unusually varied assortment of grades from the 1986 Prairie wheat crop.

As shown in Table 11, China significantly increased purchases of Canadian wheat in 1986-87. Wheat imports by the Soviet Union and Japan were slightly higher than the previous year. Increased purchases by South Korea of mainly feed wheat made that country one of Canada's top wheat importers in 1986-87. While wheat imports by the United Kingdom and Brazil were down from the level of the previous year, purchases by Italy and Iraq rose in 1986-87. Countries included in the "others" category of Table 11 account for an important share of Canada's overall wheat exports. Within this grouping of Canadian wheat importers for 1986-87, 15 countries purchased between 100 000 and 500 000 tonnes each and 33 countries bought under 100 000 tonnes each. (See Table XII for a more detailed list of countries importing Canadian wheat.)

**TABLE 11**  
**CANADIAN WHEAT (INCLUDING DURUM) AND**  
**WHEAT FLOUR EXPORTS TO MAJOR MARKETS**

	1986-87 <sup>1</sup>	1985-86 (Thousands of Tonnes)	1984-85
U.S.S.R.	5 391	5 219	6 019
China	4 194	2 614	2 845
Japan	1 349	1 272	1 324
Cuba	1 250	1 137	779
South Korea	1 173	472	—
Brazil	780	986	1 152
Iraq	691	347	367
Italy	634	367	221
United Kingdom	503	702	633
Algeria	448	492	508
United States	420	281	169
Peru	344	47	26
Others <sup>2</sup>	3 606	3 789	3 540
Total	20 783	17 725	17 583

<sup>1</sup> Preliminary — Subject to Revision

<sup>2</sup> Includes Bagged Seed Exports

Source: Canadian Grain Commission for 1986-87  
Previous Years — Statistics Canada

**TABLE 12**  
**CANADIAN DURUM EXPORTS**  
**TO MAJOR MARKETS**

	1986-87 <sup>1</sup>	1985-86 (Thousands of Tonnes)	1984-85
U.S.S.R.	498	254	533
Italy	480	255	162
Algeria	423	492	508
Libya	135	108	103
Japan	79	18	61
United States	61	—	—
Cuba	58	63	59
German Dem. Rep.	47	48	50
Venezuela	38	49	48
Others	138	98	302
Total	1 957	1 385	1 826

<sup>1</sup> Preliminary — Subject to Revision

Source: Canadian Grain Commission for 1986-87  
Previous Years — Statistics Canada

### DURUM WHEAT

Canadian exports of durum wheat rose in 1986-87. This was a welcome change after two consecutive years of drought that reduced durum supplies on the Prairies. Italy and the Soviet Union increased imports of Canadian durum.

### OATS

Oats exports rose to 257 000 tonnes in 1986-87, mainly because of continued strong demand for quality oats in the United States. This compared with total exports the previous year of 44 000 tonnes.

### BARLEY

Exports of barley and barley products were a record 6.7 million tonnes in 1986-87. Following two consecutive years of drought, the Prairies returned to more normal production in 1986 and larger supplies of barley for export sale.

The Soviet Union was Canada's largest buyer of barley in 1986-87, with significantly increased purchases of almost 2.2 million tonnes. Barley exports to Saudi Arabia, at just under 2.0 million tonnes, were also higher. China, a relatively new market for Canadian barley, increased its purchases in 1986-87. Romania, which has been an intermittent buyer in the past, became a major barley market. The Philippines became a new market for barley in 1986-87, and Ecuador made its first purchase of barley from Canada since the late 1970s.





**TABLE 13**  
**CANADIAN BARLEY EXPORTS**  
**TO MAJOR MARKETS**

	1986-87 <sup>1</sup>	1985-86 (Thousands of Tonnes)	1984-85
U.S.S.R.	2 149	439	410
Saudi Arabia*	1 941	899	—
Japan	731	839	735
German Dem. Rep.	467	571	798
China	285	213	—
Romania	284	87	—
Israel	197	145	187
Others	479	399	474
Total Bulk Grain	6 533	3 592	2 604
Malt	185	203	177
Grand Total	6 718	3 795	2 781

<sup>1</sup> Preliminary — Subject to Revision

\* Official statistics do not fully reflect imports previous to 1985-86. Most Saudi barley imports were in bags, and were transhipped from Belgium and Singapore.

Source: Canadian Grain Commission for 1986-87  
Previous Years — Statistics Canada

Export shipments of malting barley in 1986-87 were significantly higher than the previous year. Total exports were 339 000 tonnes in 1986-87, compared with only 44 000 tonnes in 1985-86. Two-row malting varieties made up the bulk of the shipments at 228 000 tonnes. China was a major buyer of malting barley, while Colombia and Ecuador (mentioned above) bought significant quantities. Shipments of malt totaled 185 000 tonnes, down from just over 200 000 tonnes in 1985-86.

### DOMESTIC FEED GRAIN POLICY

The federal government made no further changes to the domestic feed grain policy during the crop year. Again, the Board made only limited sales into the domestic feed grain market during 1986-87. Sales of wheat, oats, and barley for 1986-87 and previous crop years are shown in Table 14. The Board determined its prices for this market by referring to prevailing levels in the area where the grain was requested.

### DOMESTIC WHEAT PRICES

Throughout the 1986-87 crop year, the Board continued to use its latitude under the domestic wheat price policy to set prices for top-grade wheat and durum at \$257.21 per tonne.

Under the domestic wheat price program, Canadian millers buy wheat at export prices within a range established by the federal government. The range for top-grade wheat and durum wheat was increased by the

**TABLE 14**  
**WHEAT BOARD SALES OF**  
**CANADIAN DOMESTIC FEED GRAINS**

Crop Year	Wheat	Oats (Thousands of Tonnes)	Barley	Total
1986-87	30.5	12.1	67.2	109.8
1985-86	39.3	24.1	59.8	123.2
1984-85	24.1	5.3	72.1	101.5
1983-84	33.7	.8	.4	34.9
1982-83	257.6	97.7	98.2	453.5

federal government in April 1986 to between \$220.46 and \$404.18 a tonne. However, the government left unresolved a Parliamentary committee recommendation to increase the price of top-grade wheat to domestic mills to \$10.00 per bushel. The Board maintained the \$7.00-per-bushel price while awaiting the outcome of those deliberations.

### CREDIT SALES

Sales made under credit continued to account for a smaller share of overall Board sales in 1986-87. Although the total tonnage of sales under credit increased slightly to almost 2.3 million tonnes, it represented a smaller portion of overall sales than the previous year. Destinations of these sales are shown in Table

**TABLE 15**  
**1986-87 CANADIAN GRAIN EXPORTS**  
**UNDER CREDIT AGREEMENTS**

August 1/86-July 31/87 (Tonnes)	
<b>WHEAT</b>	
Brazil	774 507
Iraq	691 439
Egypt	208 001
Algeria	145 105
Mexico	108 035
Israel	94 701
Jamaica	37 645
Colombia	22 000
Sub-Total	2 081 432
<b>BARLEY</b>	
Israel	197 779
Sub-Total	197 779
<b>TOTAL WHEAT &amp; BARLEY</b>	<b>2 279 212</b>

Source: CWB Sales Programming as of December 2, 1987, and Treasury Division



15. All credit sales are made under commercial terms and rates. The credit was financed by the Wheat Board and guaranteed by the federal government.

## FOOD AID PROGRAMS

Exports of Canadian grain through food aid programs increased in 1986-87. While purchases by the Canadian

International Development Agency were down from the previous year, the World Food Program significantly increased its purchases of Canadian wheat and wheat flour. As a result, shipments of wheat and wheat flour under both programs totaled almost 1.2 million tonnes in 1986-87. Canadian food aid shipments to all destinations are shown in Table 16.

**TABLE 16**  
**CANADIAN FOOD AID SHIPMENTS 1986-87**  
**(August/July)**  
**(Tonnes)**

Country	CIDA			World Food Program			Total		
	Wheat	Flour	Sub-Total	Wheat	Flour	Sub-Total	Wheat	Flour	Sub-Total
China (PRC) .....	—	—	—	286 155	160 228	446 383	286 155	160 228	446 383
Bangladesh .....	326 250	—	326 250	58 180	—	58 180	384 430	—	384 430
Sri Lanka .....	54 000	—	54 000	—	—	—	54 000	—	54 000
Sudan .....	—	36 756	36 756	—	—	—	—	36 756	36 756
Tunisia .....	25 450	—	25 450	—	—	—	25 450	—	25 450
Bolivia .....	19 987	—	19 987	—	1 926	1 926	19 987	1 926	21 913
Indonesia .....	—	—	—	21 579	—	21 579	21 579	—	21 579
Senegal .....	21 135	—	21 135	—	—	—	21 135	—	21 135
Mozambique .....	21 000	—	21 000	—	—	—	21 000	—	21 000
Zambia .....	15 800	—	15 800	—	—	—	15 800	—	15 800
Tanzania .....	12 450	—	12 450	—	—	—	12 450	—	12 450
Yemen (PDR) .....	—	—	—	—	11 765	11 765	—	11 765	11 765
Lebanon .....	—	—	—	—	11 178	11 178	—	11 178	11 178
Ghana .....	10 000	—	10 000	—	—	—	10 000	—	10 000
Mali .....	10 000	—	10 000	—	—	—	10 000	—	10 000
Yemen (AR) .....	—	—	—	—	6 900	6 900	—	6 900	6 900
Uganda .....	—	—	—	5 980	—	5 980	5 980	—	5 980
Brazil .....	—	—	—	5 390	—	5 390	5 390	—	5 390
Syria .....	—	—	—	—	4 341	4 341	—	4 341	4 341
Haiti .....	—	2 772	2 772	—	—	—	—	2 772	2 772
Ecuador .....	—	—	—	—	2 360	2 360	—	2 360	2 360
Colombia .....	—	—	—	—	2 000	2 000	—	2 000	2 000
Costa Rica .....	—	—	—	—	1 339	1 339	—	1 339	1 339
Paraguay .....	—	—	—	—	1 201	1 201	—	1 201	1 201
Jamaica .....	—	—	—	—	994	994	—	994	994
St. Lucia .....	—	—	—	738	—	738	738	—	738
Guatemala .....	—	—	—	—	511	511	—	511	511
Egypt .....	—	—	—	373	373	—	—	373	373
St. Vincent .....	—	—	—	288	—	288	288	—	288
Honduras .....	—	—	—	—	152	152	—	152	152
St. Kitts .....	—	—	—	100	—	100	100	—	100
SUB-TOTAL .....	516 072	39 528	555 600	378 410	205 268	583 678	894 482	244 796	1 139 278

CFBA: Ethiopia 14 000 tonnes; Sudan 3 000 tonnes; Kenya 1 000 tonnes of wheat

Red Cross: Ethiopia 5 520; Sudan 1 684 tonnes of flour

IEFR: Jamaica 277 tonnes of flour

World Vision: Zimbabwe 3 566 tonnes of wheat

GRAND TOTAL

18 000  
7 204  
277  
3 566  
1 168 325

# PART III

## THE SUPPLY AND TRANSPORTATION OF CANADIAN GRAIN



### INTRODUCTION

The supply of grain for shipment from Prairie farms to market increased considerably in the 1986-87 crop year. Increased acreage and improved yields combined to produce the Prairie's largest crop ever. While the weather co-operated for the most part, heavy September rains over much of the Prairies had a detrimental effect on grades.

Exports of Western Canadian grain and grain products were a record 31.7 million tonnes in 1986-87, a 30-per-cent increase over the previous year. Although world markets remained extremely competitive and grain prices continued to suffer because of the international trade war, the Wheat Board and its Accredited Exporters aggressively sought out markets for a wide assortment of Prairie grains and grades. As a result,

**TABLE 17**  
**1986<sup>1</sup> WESTERN CANADIAN YIELDS AND PRODUCTION**

	ALBERTA				SASKATCHEWAN			
	YIELD		PRODUCTION		YIELD		PRODUCTION	
	1986 (Bus. per Acre)	10-year Average 1976-85	1986 (Million Tonnes)	10-year Average 1976-85	1986 (Bus. per Acre)	10-year Average 1976-85	1986 (Million Tonnes)	10-year Average 1976-85
Wheat	34.9	29.6	7.2	5.4	31.2	26.3	18.4	13.3
Barley	59.5	46.1	7.2	6.0	51.8	42.2	4.0	2.9
Oats	72.3	58.1	1.5	1.4	61.3	48.2	.7	.8
Rye	37.2	30.0	.2	.2	26.9	24.5	.3	.2
Flaxseed	22.4	17.8	—	—	21.3	16.5	.4	.2
Canola	25.0	20.8	1.6	1.1	26.2	22.4	1.5	1.1
TOTAL PRODUCTION	—	—	17.7	14.1	—	—	25.3	18.5

	MANITOBA				WESTERN CANADIAN PROVINCES <sup>2</sup>			
	YIELD		PRODUCTION		YIELD		PRODUCTION	
	1986 (Bus. per Acre)	10-year Average 1976-85	1986 (Million Tonnes)	10-year Average 1976-85	1986 (Bus. per Acre)	10-year Average 1976-85	1986 (Million Tonnes)	10-year Average 1976-85
Wheat	33.2	29.9	4.5	3.1	32.3	27.6	30.1	21.6
Barley	54.8	47.0	1.9	1.9	56.2	45.0	13.2	10.5
Oats	66.7	51.8	.5	.5	67.7	53.5	2.7	2.7
Rye	31.3	30.7	.1	.1	30.5	26.7	.6	.6
Flaxseed	21.8	15.7	.6	.3	21.7	16.1	1.0	.6
Canola	25.5	21.3	.6	.4	25.5	21.4	3.7	2.6
TOTAL PRODUCTION	—	—	8.2	6.3	—	—	51.3	38.6

<sup>1</sup> Preliminary — Subject to Revision

<sup>2</sup> Includes British Columbia





Canada's transportation and handling facilities were kept busy throughout the year. Export records were broken at West Coast terminals. However, the crop year saw its share of labour/management disputes.

In spite of record exports, grain carryover at the end of July 1987 was at the highest level in seven years.

### CROP, DEVELOPMENT, QUALITY, AND SIZE

Western Canada's production of the six major grains, shown in Table 17, was a record 51.3 million tonnes, up about 10 million tonnes from the previous year.

The foundations for the big crop were laid in the fall of 1985. After two years of severe drought during the growing season, the southern Prairies received heavy rains in August and September. This left above-normal soil moisture reserves for the spring of 1986. Farmers responded with above-normal seedings, and Prairie summerfallow acreage was the lowest since 1940.

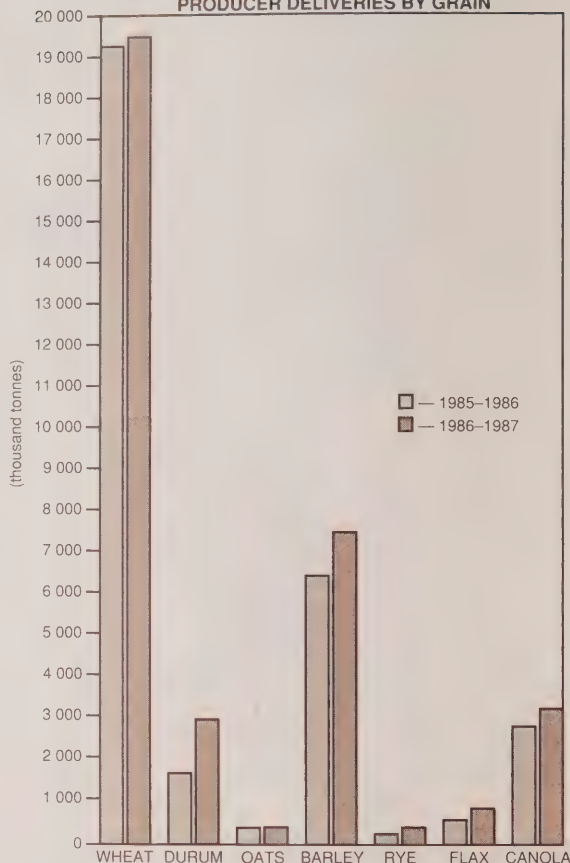
Spring rains in May delayed seeding in many areas, which could not finish until well into June. Although June was relatively dry, there were ample rains in July and August during the critical grain filling period. The exceptions were the Peace River area and north-central and

**TABLE 18**  
**ESTIMATED GRADE DISTRIBUTION**  
(Per cent of Production)

	1986	1985
<b>Wheat Grades</b>		
1 CW Red Spring	35.0%	20.0%
2 CW Red Spring	21.0	32.0
3 CW Red Spring	27.0	34.5
1 Canada Utility	1.0	0.3
2 Canada Utility	1.0	0.2
Canada Feed	15.0	13.0
<b>Barley Grades</b>		
Select	8.0	1.7
1 CW	71.0	78.6
2 CW & Lower	21.0	19.7
<b>Durum Grades</b>		
1 CW Amber Durum	34.0	18.0
2 CW Amber Durum	17.0	26.0
3 CW Amber Durum	19.0	32.0
4 CW Amber Durum	16.0	18.0
5 CW Amber Durum	14.0	6.0

Source: Canadian Grain Commission

**GRAPH 1**  
**PRODUCER DELIVERIES BY GRAIN**



north eastern Saskatchewan, which had below-normal rainfall.

August was an excellent month for ripening, with warm, dry weather in many areas. But as the harvest got underway, heavy rains caused considerable crop deterioration. Many farmers were not able to resume harvest until an exceptionally warm, dry period in October. The grade pattern suffered as a result. In addition to large quantities of No. 3 CWRS and Feed wheat, there was a record quantity of low-grade durum.

### PRODUCER DELIVERIES

Producer grain deliveries during 1986-87 were the second-highest on record at almost 35 million tonnes. Graph 1 shows producer deliveries by grain for the crop year, and compares them with the previous year.

The high level of delivery opportunity shown in the graph was not evident in the first few weeks of the crop



## PERCENT OF NORMAL ACCUMULATED PRECIPITATION FOR SEPTEMBER, 1986



## PERCENT OF NORMAL ACCUMULATED PRECIPITATION FROM MAY 1 TO JULY 31, 1986



These maps highlight two major features of the 1986 growing season. Rains in mid-September affected large parts of the Prairies. The first map shows substantial portions of Alberta and Saskatchewan, and even parts of Manitoba, where rainfall was significantly higher than normal. Many farmers could not get to their crops to complete harvesting until October. As a result, grades suffered in many areas. The second map shows the percentage of rainfall received in the first three months of the 1986 growing season. Areas where grain yield was reduced in 1986 can be found in this map; specifically, the Peace River area and northwestern Saskatchewan.



**TABLE 19**  
**SUMMARY OF CROP YEAR QUOTAS AS AT JULY 31, 1987**

	Quota Name	Kilograms/ Quota Acre	Bushels/ Quota Acre	Grades	Area
Hard Red Spring Wheat	A(s)	80	2.9	Straight 1&2CW & Straight, Tough & Damp Canada Feed	All
	B	80	2.9	All	All
	C	80	2.9	All	All
	D	55	2.0	All	All
Durum Wheat	A	80	2.9	All	All
	B(s)	80	2.9	Straight, Tough & Damp 1&2CW	All
	C(s)	80	2.9	Straight, Tough & Damp 1&2CW	All
	D(s)	80	2.9	Straight, Tough & Damp 1,2&3CW	All
	E(s)	80	2.9	Straight, Tough & Damp 1,2,3&4CW	All
	F(s)	135	5.0	Straight, Tough & Damp 1,2,3&4CW	All
	G(s)	410	15.1	Straight, Tough & Damp 1&2CW	All
Canada Prairie Spring Wheat	A(s)	80	2.9	Straight, Tough & Damp 1 CPS	All
	B	80	2.9	All	All
	C	135	5.0	All	All
	D	135	5.0	All	All
	E	410	15.1	All	All
Utility Types of Wheat	A	80	2.9	All	All
	B	135	5.0	All	All
	C	275	10.1	All	All
Red Winter Wheat	A	80	2.9	All	All
	B	135	5.0	All	All
	C	135	5.0	All	All
	D	275	10.1	All	All
Soft White Spring Wheat	A	80	2.9	All	All
	B	135	5.0	All	All
	C	135	5.0	All	All
	D	410	15.1	All	All
Oats	A	155	10.1	All	All
	B	310	20.1	All	All
	C	310	20.1	All	All
	D	385	25.0	All	All
Contract Oats		1 000	64.9	Straight 1 Feed & Straight Extra 1 Feed	All





**TABLE 19 (Continued)**  
**SUMMARY OF CROP YEAR QUOTAS AS AT JULY 31, 1987**

	Quota Name	Kilograms/ Quota Acre	Bushels/ Quota Acre	Grades	Area
Barley	A	110	5.1	All	All
	B	65	3.0	All	All
Contract Barley	Series A	2 000	91.9	Straight & Tough 1&2CW	All
	Series B	2 000	91.9	Straight & Tough 1&2CW	All
Rye		1400	55.1	All	All
Rye to Distillers		1400	55.1	All	All
Flaxseed		1400	55.1	All	All
Flaxseed to Crushers		1400	55.1	All	All
Canola		1700	75.0	All	All
Canola to Crushers		1700	75.0	All	All
Off-Board Wheat		1 360	50.0	All	All
Off-Board Oats		1 155	75.0	All	All
Off-Board Barley		1 630	74.9	All	All

year. Opening quotas for most Board grains were announced August 18, while quotas for red spring wheat were not available until mid-October. Country elevators remained congested from heavy deliveries late in the previous crop year. The strike/lockout of Thunder Bay grain handlers for a one-month period beginning in early September further restricted delivery opportunities, particularly for farmers in the eastern Prairies. West Coast longshoremen were locked out in early October and, although they were back on the job quickly, the impact was felt immediately at country elevators.

However, the pace of grain shipments quickened later in the fall with the demand for barley to meet substantial sales commitments at Canada's ports. Board quotas and delivery calls under guaranteed delivery contracts reflected this demand. Quotas and contract calls during this early part of the crop year also reflected good demand for Prairie oats.

The first quota for red spring wheat was established in mid-October. These first quotas were for straight Nos. 1 and 2 Canada Western Red Spring in response to market demand for higher grades of wheat. In spite of difficult marketing circumstances for lower grades of wheat in world markets, the Board was successful in securing sales of lower grades, and quotas soon opened up to include Canada Feed and, later, other

grades of red spring wheats. While the Board had warned farmers early in the crop year of the overabundance of lower wheat grades in the world, delivery opportunities turned out to be better than first expected.

The same was true for durum wheat. Delivery opportunities for Nos. 1 and 2 Amber Durum, and even for No. 3 and 4, were good. However, there was very little opportunity to deliver No. 5 Amber Durum wheat, which had been harvested in record quantities.

As expected, the impending drop in initial prices for the 1987-88 crop year prompted a rush on grain deliveries during the latter part of the crop year. The Board and the handling system attempted to handle as much as possible, but there was some increase in carryover.

## CARRYOVER

In spite of record exports in 1986-87, total carryover was at 18 million tonnes by July 31. The last time carryovers had exceeded that level was at the end of the 1978-79 crop year. However, unlike the late seventies, it had more to do with the record crop than transportation difficulties.

As shown in Tables 19 and 20, virtually all the increase was in on-farm stocks, which rose from 2.5 million tonnes to eight million tonnes according to official



**TABLE 20**  
**STOCKS ON FARMS IN WESTERN CANADA AS AT JULY 31 FOR YEARS 1982 TO 1987**

Grain	1982	1983	1984 (Thousands of Tonnes)	1985	1986	1987 <sup>1</sup>
Wheat*	3 515	1 960	1 690	1 060	745	5 220
Oats	536	825	465	345	455	910
Barley	1 817	3 055	930	700	820	1 430
Rye	103	220	105	150	160	210
Flaxseed	38	118	25	25	65	140
Canola	71	40	15	95	275	160
TOTAL	6 080	6 218	3 230	2 375	2 520	8 070

\* Includes Durum Wheat  
<sup>1</sup> Subject to Revision  
Source: Statistics Canada

**TABLE 21**  
**STOCKS IN CANADIAN COMMERCIAL POSITIONS BY GRAIN AS AT JULY 31**  
**FOR YEARS 1982-1987**

Grain	1982	1983	1984 (Thousands of Tonnes)	1985	1986	1987 <sup>1</sup>
Wheat*	6 153	7 973	7 455	6 518	7 799	7 597
Oats	215	175	125	124	171	144
Barley	2 181	1 904	891	1 291	2 209	1 602
Rye	231	431	326	233	142	165
Flaxseed	221	347	130	119	207	259
Canola	621	446	105	375	675	449
TOTAL	9 622	11 276	9 032	8 660	11 203	11 216

\* Includes Durum Wheat  
<sup>1</sup> Subject to Revision  
Source: Canadian Grain Commission for 1987  
All previous years — Statistics Canada

figures provided by Statistics Canada. There was little change to commercial stocks because these facilities were very congested at the end of both the 1985-86 and 1986-87 crop years.

Wheat accounted for 5.2 million tonnes of the carry-over. Almost all of this was Canada Western Feed or No. 3 Canada Western Red Spring wheat. Over half of the total wheat supplies ended up in these grades as a result of poor harvesting conditions in 1986.

### COUNTRY ELEVATOR SHIPMENTS

Country elevator shipments during the 1986-87 crop year reached the second highest level on record, totaling 33.3 million tonnes for the six major grains. The record was in the 1983-84 crop year when a total of 34 million tonnes was shipped.

Shipments from all provinces, with the exception of Manitoba, were up substantially from last crop year. As shown in Table 22, Manitoba shipments from country elevators fell from 6.7 million tonnes in 1985-86 to 4.9 million tonnes in 1986-87. This was mainly due to a smaller 1986 Manitoba crop and a more even allocation of rail cars than in 1985-86, when Manitoba had a record crop while other provinces suffered drought.

### WEST COAST

West Coast ports set a new record for exports during the 1986-87 crop year, totaling almost 16 million tonnes. This was significantly higher than the previous record of 12.5 million tonnes set in the 1983-84 crop year. Given the large amount of supplies available, the Wheat Board exerted every sales effort possible to reduce farm stocks and to maintain cash flow and market share for farmers.



Shipments through West Coast ports were maximized to meet demand and to avoid the high transshipment costs from Thunder Bay to the St. Lawrence.

Prince Rupert got the first real test of its export capabilities since the new terminal had come on stream in March 1985. The terminal had not been used to capacity earlier due to lack of supplies or labor/management problems. But in 1986-87, Prince Rupert responded by exporting a record 4.2 million tonnes.

West Coast exports got off to a slower start compared to 1985-86. However, by October, the monthly export program had exceeded that of 12 months earlier. It was about that same time when labor/management problems became the focus of attention.

On Monday, October 6, the B.C. Maritimes Employers' Association locked out West Coast longshoremen after negotiations proved unsuccessful. The main issue had been the repacking of container shipments entering West Coast ports. The lockout was lifted on October 8 when both sides agreed to continue negotiations for another 30 days. The longshoremen returned to work on October 9. However, when further negotiations failed to resolve the situation, the longshoremen were locked out again on November 15. This time, the federal government passed back-to-work legislation effective November 20. Included in the legislation was a provision for a federal commission of inquiry to study the controversial container clause and make a binding decision by September 1987.

West Coast operations ran very smoothly from this point forward. The winter was notable for unusually warm temperatures and a lack of snow so rail shipments from the Prairies through the Rockies went smoothly. With the exception of July, when a vessel damaged one of the two loading berths at the UGG terminal in Vancouver, there were no major disruptions. By the end of July, most previous monthly export records had been shattered.

## THUNDER BAY AND ST. LAWRENCE

Combined exports from Thunder Bay terminals and St. Lawrence transfer elevators totaled 12.3 million tonnes during the 1986-87 crop year. While this was considerably short of the record 15.7 million tonnes exported through these port areas in 1983-84, it was still the fourth highest level of exports on record.

Exports through Thunder Bay and St. Lawrence would have undoubtedly been higher had it not been for the labor/management problems between the Thunder Bay grain handlers and the terminal elevator companies. A strike/lockout began September 3, 1986, and continued until October 9, 1986, when a new contract was ratified.

Although stocks at St. Lawrence River ports were high at 1.2 million tonnes when the situation developed at Thunder Bay, supplies of some grains and grades quickly became short. Durum was in particularly short supply. The Wheat Board arranged for about 50 000 tonnes of durum to be shipped clean from the Prairies by rail directly to Montreal.

Operations were further complicated by a lockout of longshoremen at Quebec City on September 15. Although grain could still be moved through other St. Lawrence ports, the Quebec terminal is capable of handling larger ocean vessels because of the water depth at berth. The shutdown hampered the speed at which some ocean vessels could be handled. The Quebec situation was not resolved until February 7, 1987.

Once work resumed at Thunder Bay, grain moved out at a very rapid pace. Unloads averaged over 6,500 rail cars per week until the close of navigation. The last vessel of the 1986 shipping season cleared the port on December 28, 1986.

During the winter months, the Wheat Board organized direct rail movements from Thunder Bay to Montreal,

**TABLE 22**  
**COUNTRY ELEVATOR SHIPMENTS**

Grain	Man.	1986-87	Alta. <sup>1</sup>	TOTAL	Man.	1985-86	Alta. <sup>1</sup>	TOTAL
		Sask. (Thousands of Tonnes)				Sask. (Thousands of Tonnes)		
Wheat	2 862	11 720	5 267	19 849	4 201	9 371	3 909	17 481
Durum	222	2 012	316	2 550	248	1 027	163	1 438
Oats	76	92	277	445	60	43	132	235
Barley	1 017	2 570	3 921	7 508	1 432	2 106	2 321	5 859
Rye	30	117	50	197	87	151	45	283
Flaxseed	374	233	18	625	370	169	18	557
Canola	348	900	900	2 148	324	696	596	1 616
TOTAL	4 929	17 644	10 749	33 322	6 722	13 563	7 184	27 469

<sup>1</sup> Includes British Columbia

Source: Canadian Grain Commission





Sorel, Three Rivers, Halifax, and West Saint John. When the winter rail program came to a close in March, a total of 909 000 tonnes had been moved in 102 trains to eastern positions.

The Great Lakes-St. Lawrence Seaway system got off to an early opening in the spring of 1987. The Sault Ste. Marie locks connecting Lake Superior with Lake Huron opened March 22. The Welland Canal opened in early April. The first lake vessel of the 1987 shipping season arrived at Thunder Bay in late March.

Shipments to the St. Lawrence started the 1987 season at a good pace which continued until May. However, export commitments at the St. Lawrence then began to fall away. By the last half of July, Thunder Bay unloads were running at less than 3,000 rail cars per week.

## ATLANTIC

Grain exports through the Atlantic ports of Halifax and West Saint John totaled 546 000 tonnes during the 1986-87 crop year. The Wheat Board's 1986-87 Atlantic program accounted for 473 000 tonnes of that total. The rest consisted of eastern grain.

Most of the Wheat Board's program was exported during January to April, 1987. However, about 86 000 tonnes were exported in September 1986 following the movement of some grain by laker from Thunder Bay direct to the Atlantic. The Wheat Board arranged for rail shipments from Georgian Bay to cover most of its export commitments during the winter. The rest, about 100 000 tonnes, was shipped by rail from Thunder Bay to Halifax and West Saint John.

The Wheat Board's export program consisted mainly of hard red spring wheat, but also included some small quantities of durum and barley.

## CHURCHILL

A total of 590 540 tonnes of barley was exported from Churchill in the 1986 shipping season. This was considerably higher than the 391 000 tonnes shipped the year before.

Demand for grain in the 1986 season developed early. In late March, 1986, the Wheat Board announced it would begin shipment of 75 000 tonnes of barley from the country. This was done to free up country elevator space and because some buyers were able to give early commitment on shipment.

The first vessel arrived in the last half of July and began loading on the 29th. By the time the last vessel cleared on October 26, a total of 18 ships had visited the port.

The size of the 1986 program was mainly determined by the availability of rail cars. To facilitate the flow of grain from the country, arrangements were made to ship some rail cars from CP onto CN lines.

## SPECIAL HIGH PROTEIN WHEAT PROGRAM

The Wheat Board introduced a special program during the 1986-87 crop year to attract farm deliveries of high protein wheat. All farmers with supplies of No. 1 Canada Western Red Spring wheat with 14.5 per cent protein or higher were eligible to apply to the Wheat Board for delivery above existing quotas.

**TABLE 23**  
**TOTAL EASTERN TRANSPORTATION AND HANDLING COSTS FOR WHEAT**

	1983	1984	1985	1986	1987	Percentage Decrease from 1983
	(Dollars per Tonne)					
Thunder Bay to St. Lawrence <sup>1</sup> (all water)	\$21.726	\$22.247	\$24.489	\$25.586	\$21.565	-.7%
Thunder Bay to St. Lawrence (winter rail)	\$33.154	\$36.638	\$34.185	\$34.229	\$32.940	-.6%
Thunder Bay to Atlantic <sup>2</sup>	\$25.525	\$26.396	\$27.548	\$27.571	\$23.615	-7.5%

<sup>1</sup> Includes lake freight rate as at opening of navigation.

<sup>2</sup> Includes lake freight costs to Georgian Bay at close of the previous navigation season & AT and East rail freight costs from Georgian Bay to the Atlantic.



**TABLE 24**  
**EASTERN TRANSPORTATION AND HANDLING CHARGES FOR WHEAT**  
**(Rates Basis Opening of Navigation)**

	1983	1984 (Dollars per Tonne)	1985	1986	Percentage Increase Decrease 1987	From 1983
<b>Thunder Bay Costs</b>	<b>\$4.683</b>	<b>\$4.913</b>	<b>\$5.013</b>	<b>\$5.180</b>	<b>\$5.180</b>	<b>10.6%</b>
Elevation <sup>1</sup>	3.900	4.100	4.180	4.310	4.310	10.5%
Weighing, Inspection <sup>2</sup>	.690	.720	.740	.740	.740	7.2%
LSCA Charges <sup>3</sup>	.043	.043	.043	.070	.070	62.8%
Warehouse Receipts Cancellation <sup>4</sup>	.050	.050	.050	.060	.060	20.0%
<b>Lake Freight (including Bunker fuel)</b>						
Thunder Bay to Bay Ports	7.760	8.200	9.240	8.430	6.680	-13.9%
Thunder Bay to St. Lawrence	12.920	13.250	15.110	13.590	12.140	-6.0%
<b>Eastern Terminals<sup>5</sup></b>						
Bay Ports	3.100	3.300	3.430	3.430	3.430	10.6%
St. Lawrence	2.200	2.300	2.400	2.470	2.470	12.3%
Atlantic	2.200	2.310	2.400	2.470	2.470	12.3%

<sup>1</sup> Receiving, weighing and delivery of grain.

<sup>2</sup> Sampling and grading of grain by an inspector and issuing of inspection certificate.

<sup>3</sup> Fees of Lake Shippers Clearance Association.

<sup>4</sup> Cancellation by Canadian Grain Commission of registration of Terminal Warehouse Receipts.

<sup>5</sup> Transfer elevators in Eastern Canada, the principal use of which is the transfer of grain that has been officially inspected and officially weighed at another elevator, as well as the receiving and storing of eastern and foreign grain.

Farmers were asked to take a representative sample to an elevator for grading and protein testing. If the sample met the specifications, an application form was completed indicating the desired quantity. A copy of the application form and a representative sample envelope had to be sent to the Canadian Grain Commission for verification. The application form itself had to be sent to the Wheat Board's Country Services Division by December 31, 1986. If the Commission verified the grade and protein, the Wheat Board advised the producer of his acceptance into the program. The Board reserved the right to proportionately reduce each producer's quantity if the program was oversubscribed.

In total, about 1,000 producers qualified under the program to deliver 148 000 tonnes of No. 1 CWRS with 14.5 per cent protein or higher. As this quantity did not exceed market requirements, it was not necessary to reduce any subscribed quantities.

## FREIGHT AND HANDLING RATES

Weighted average rail freight rates and actual country elevation charges during the 1986-87 crop year were

very similar to the year before. Although the formula for calculating rail freight rates under Bill C-155 called for an increase, the federal government decided to freeze these charges because of the low grain prices that farmers were facing. Country elevator companies also kept their charges similar to 1985-86. Table 25 shows the weighted average charges for wheat, durum, oats, and barley with a comparison to previous crop years.

The Canadian Grain Commission maintained maximum terminal and country elevation tariffs as well as maximum removal of dockage fees at 1985-86 levels. Maximum terminal elevation tariffs were \$5.01 per tonne for wheat, \$8.22 per tonne for oats, and \$6.21 per tonne for barley. Maximum country elevation tariffs were \$8.53 per tonne for wheat, \$13.99 per tonne for oats, and \$10.58 per tonne for barley. For maximum removal of dockage fees, the rates were \$2.63 per tonne for wheat, \$4.31 per tonne for oats, and \$3.26 per tonne for barley.

The actual elevation tariff charged by terminal elevator companies also did not increase. The weighted average charge was \$4.32 per tonne for wheat, \$7.18 per tonne for oats, and \$5.46 per tonne for barley.



**TABLE 25**  
**WEIGHTED AVERAGE DEDUCTIONS FROM FARMERS**  
**FOR FREIGHT, COUNTRY ELEVATION, & REMOVAL OF DOCKAGE**

		1982-83	1983-84	1984-85 (Dollars per Tonne)	1985-86	1986-87
Wheat	Freight	\$ 4.66	\$ 5.16	\$ 7.20	\$ 5.53	\$ 5.62
	Country Elevation & Removal of Dockage	\$ 7.46	\$ 7.46	\$ 7.60	\$ 7.93	\$ 8.02
	Total	\$12.12	\$12.62	\$14.80	\$13.46	\$13.64
Durum Wheat	Freight	\$ 4.82	\$ 5.24	\$ 7.55	\$ 5.71	\$ 5.79
	Country Elevation & Removal of Dockage	\$ 7.41	\$ 7.43	\$ 7.56	\$ 7.88	\$ 8.00
	Total	\$12.23	\$12.67	\$15.11	\$13.59	\$13.79
Oats	Freight	\$ 4.78	\$ 5.21	\$ 7.22	\$ 5.43	\$ 5.57
	Country Elevation & Removal of Dockage	\$11.35	\$11.15	\$11.33	\$12.06	\$12.10
	Total	\$16.13	\$16.36	\$18.55	\$17.49	\$17.67
Barley	Freight	\$ 4.72	\$ 5.14	\$ 7.16	\$ 5.53	\$ 5.65
	Country Elevation & Removal of Dockage	\$ 9.21	\$ 9.13	\$ 9.31	\$ 9.68	\$ 9.74
	Total	\$13.93	\$14.27	\$16.47	\$15.21	\$15.39

The total cost of moving grain east of Thunder Bay during the 1986-87 crop year decreased by \$4.00 per tonne, as shown in Table 23. Most of this decrease was in lake freight rates as shown in Table 24, which provides a breakdown of Thunder Bay fobbing costs, lake freight costs, and inward elevation at eastern transfer eleva-

tors. The conclusion of long-term agreements with lake shipping companies combined with a more competitive lake freight market enabled the Wheat Board to reduce costs. Other costs which decreased from 1986 were St. Lawrence Seaway tolls, and insurance rates on laker cargoes.



## PART IV OTHER OPERATIONS



### PROMOTIONAL ACTIVITIES

#### Market Development

Four varietal evaluation programs were offered to producers prior to the start of the 1987 growing season. As shown in Table 26 below, these included HY 355 and HY 368 wheat and TR 479 and TR 490 barley. Varietal evaluation programs are conducted by the Wheat Board's Market Development Department to encourage the development of varieties with potential to expand market opportunities for western grain growers.

**TABLE 26**  
**WHEAT BOARD CONTRACT PROGRAMS IN 1987**

Variety	No. of Growers	Average Size of Contract (acres)	Total Acres	Type
WHEAT				
HY 355	25	67	1,674	CPS (White)Wheat
HY 368	4	31	126	CPS (Red) Wheat
BARLEY				
TR 479	2	16	32	2-Row White Malting Barley
TR 490	2	20	40	2-Row White Malting Barley

**HY 355** — is the first high-yielding, white wheat which appears to meet the criterion of the Canada Prairie Spring class. It was developed at the Agriculture Canada Research Station in Swift Current. It is best adapted to the brown and dark brown soil zones.

**HY 368** — is a re-selection of red, high-yielding HY 320 (Canada Prairie Spring) wheat developed at the Swift Current Research Station. The improved kernel hardness of HY 368 is expected to provide advantages over HY 320.

**TR 479 and TR 490** — are two-row white aleurone malting barley varieties developed at the University of Saskatchewan. Both are high-yielding and have promising malting and brewing qualities. In the 1987-88 crop year, TR 479 and TR 490 barley will be contracted for the first part of a two-year plant-scale testing program. The results of these tests will determine whether these varieties will be registered by Agriculture Canada.

#### Canadian International Grains Institute

The Canadian Wheat Board continued its active support of the Canadian International Grains Institute. This included providing guidance on programs to be offered

to participants and contacts of people interested in attending Institute courses. The Board, on behalf of farmers, also continued to jointly fund the Institute's operations with the federal government. Further details of the activities of the Institute are available in its annual report.

The Board commends the Canadian International Grains Institute for many of its programs and for the response given to our marketing requirements.

#### Sales Missions

During the crop year under review, Commissioners and other Board officials traveled to numerous countries on sales and market development missions. These countries are listed by geographic area as follows:

**Africa and the Middle East**—Algeria, Egypt, Israel

**Asia**—Bangladesh, Hong Kong, Indonesia, Japan, Malaysia, People's Republic of China, Philippines, Singapore, South Korea, Taiwan

**Latin America and the Caribbean**—Brazil, Colombia, Jamaica, Mexico, Peru, Uruguay, Venezuela

**Western Europe**—Belgium, Italy, Portugal, United Kingdom

**Eastern Europe**—German Democratic Republic, Poland, U.S.S.R.

#### Incoming Missions

The mission program for the 1986-87 crop year saw senior government and grain trade officials visit Canada for the purpose of meeting with the Board and other grain organizations and, at the same time, gaining an insight into the various aspects of the Canadian grain industry. Missions from Brazil, China, Colombia, Iraq, Mexico and Taiwan were sponsored by the Board.

Individuals and groups from 18 other countries also visited the Board's offices during the period under review. In addition to having meetings and discussions with them, the Board, in many instances, assisted in arranging their itineraries and programs.

The Board gratefully acknowledges the invaluable support it receives from many levels of governments, universities, grain trade organizations and individuals in arranging these visits.

#### Awards Programme

The Wheat Board's Awards Programme was initiated in 1976 to encourage young scientists to enter the field



of grain research. The programme offers financial assistance to students in Colleges of Agriculture at the Universities of Alberta, Manitoba and Saskatchewan, and is funded from the Wheat Board's Special Account. A total of \$252,533.27 was awarded through this programme in the 1987 calendar year.

The awards are made on the basis of academic standing, and are keenly contested. At the graduate level, six new fellowships are awarded annually, each for a three-year duration. Approximately 30 scholarships are also given each year to third and fourth-year undergraduate students. Under the programme, undergraduate students are also invited to apply for summer employment at the Board.

### Touring the Wheat Board

There were 57 groups totaling about 1,320 people who toured the Wheat Board's Winnipeg office during the 1986-87 crop year. There were 14 farm groups, 17 international groups, 23 educational groups, and three others. They toured the major departments of the Board and operations in each area were discussed.

### LEGAL SERVICES

The Board's Legal Department continued to draft Regulations, handle estate files and demurrage claims, and provide legal opinions and assistance on matters relating to the Board's operations.

It also assisted with the collection of defaulted cash advance accounts under the federal government's Prairie Grain Advance Payments Act. There were 584 accounts referred to the Legal Department during the year for collection and 128 actions were taken in the Federal Court of Canada. This compares with 606 defaulted accounts referred to the Legal Department for collection in the previous crop year in which 318 actions were taken.

Fifty-four bankruptcy files were opened and attended to by the Legal Department, compared to 40 in the previous crop year, where producers entering bankruptcy had previously obtained advance payments which remained outstanding under the Prairie Grain Advance Payments Act.

A total of 81 convictions were obtained during the 1986-87 crop year for breaches of the Canadian Wheat Board Act and Regulations and the Prairie Grain Advance Payments Act and Regulations. The convictions involved a total of 24 producers.

### OFFICERS AND STAFF

A number of changes involving senior staff took place during the 1986-87 crop year. Mr. Paul Westdal, former Manager of the Board's London Office which closed in July 1986, was seconded to the Canadian International Grains Institute as Director of Marketing. Mrs. Lucille Evans was appointed to the position of Corporate Secretary. Mr. John McLure was appointed Director, Application Services, Management Information Services Division, and Miss Lynne Kohm was hired as Assistant Solicitor. Mrs. Jessie Bulloch resigned from her position as General Director, Personnel, and was replaced by Mr. Frank Guenther. Mr. Ray Gollmer resigned as Director, Application Services, Management Information Services Division. Mr. Henry Monk, the Board's General Counsel, retired, as did Mr. J. W. Snell, the Board's Corporate Secretary.

Thirteen other staff members retired from the Canadian Wheat Board in 1986-87: Mrs. G. Berkis, Miss C. Clark, Mrs. M. Fraser, Mr. F. Jansen, Mrs. I. Law, Mr. P. Lindquist, Miss D. Marshall, Mr. D. McLaren, Miss E. Orink, Mr. M. St. Coeur, Mrs. J. Shemely, Mrs. E. Smith and Miss J. Turnbull.

To those employees who retired or resigned during the crop year, the Board extends its gratitude for their years of loyal and valuable service and wishes them well in their future endeavours.

With sadness we record the deaths in 1986-87 of the following pensioners: Mr. L. Boyes, Mr. H. Clark, Mr. S. Hornby, Mrs. A. Maksymec, Mr. M. McFadyen, Mr. J. McKinnon, Mrs. L. Mitchell, Mrs. S. Plaza, Mr. D. Rees. They are greatly missed by all of us.

The number of permanent and temporary employees in all Board offices on July 31st of each of the last five years is indicated in Table 27.

**TABLE 27**  
**NUMBER OF EMPLOYEES AT JULY 31st**

Year	Permanent	Temporary	Total
1983	544	72	616
1984	532	102	634
1985	510	82	592
1986	482	37	519
1987	462	42	504

### BOARD OFFICES

The Canadian Wheat Board continued to operate branch offices in Montreal with a staff of eight employees, in Vancouver with a staff of ten and in Tokyo, Japan with a staff of three.

## PART V ADVISORY COMMITTEE



The 1986-87 crop year began with the Advisory Committee which has held office since January 1983. It consisted of the following members:

District	Name	Address
1	Mr. L. E. Parker .....	Ste. Agathe, Manitoba
2	Mr. B. McDonald .....	Strathclair, Manitoba
3	Mr. C. A. Hookensen .....	Kisbey, Saskatchewan
4	Mr. M. G. W. Halyk .....	Melville, Saskatchewan
5	Mr. H. Yelland ...	Porcupine Plain, Saskatchewan
6	Mr. R. R. Atkinson .....	Landis, Saskatchewan
7	Mr. A. K. Sahl .....	Mossbank, Saskatchewan
8	Mr. T. Strain .....	North Battleford, Saskatchewan
9	Mr. C. F. Thurston .....	Bow Island, Alberta
10	Mr. K. D. Galloway ..	Fort Saskatchewan, Alberta
11	Mr. H. A. Dechant .....	Fairview, Alberta

In accordance with Section 10.5 of the Canadian Wheat Board Act, the Board conducted an Advisory Committee election in the fall of 1986 and engaged Mr. J. E. McLaughlin to act as Coordinator of the Producers' Vote. Mr. McLaughlin had provided the same service for the 1982 Advisory Committee election. The Board extends its thanks to him for a well-run election.

The newly elected Committee members took office in January 1987 for a four-year term. To the members of the previous Committee who did not return, the Board wishes to express its appreciation for their contribution on behalf of western producers to the work of the Committee.

The present Advisory Committee consists of the following members:

District	Name	Address
1	Mr. W. A. Harder .....	Lowe Farm, Manitoba
2	Mr. L. N. Maguire .....	Elgin, Manitoba
3	Mr. T. Hanson .....	Fillmore, Saskatchewan
4	Mr. M. G. W. Halyk .....	Melville, Saskatchewan
5	Mr. H. Gjesdal .....	Birch Hills, Saskatchewan
6	Mr. R. R. Atkinson .....	Landis, Saskatchewan
7	Mr. A. K. Sahl .....	Mossbank, Saskatchewan
8	Mr. G. Pike .....	Lloydminster, Saskatchewan
9	Mr. D. Cutforth .....	Barons, Alberta
10	Mr. K. D. Galloway ..	Fort Saskatchewan, Alberta
11	Mr. A. Macklin .....	Grande Prairie, Alberta

After the election, Mr. K. D. Galloway and Mr. M. G. W. Halyk continued in their roles as Chairman and Vice-Chairman, respectively, until the Committee's meeting in April 1987. At that time the Committee reviewed these positions as required by the Act. Mr. Galloway was

elected as Chairman and Mr. R. R. Atkinson was elected as Vice-Chairman.

Eleven meetings of the Advisory Committee took place in Winnipeg during 1986-87 to review operational matters with the Board and discuss policy issues related to producers in Western Canada. The newly elected Committee familiarized itself with the various departments of the Wheat Board during a two-day meeting in January 1987.

The Committee received various guests at its meetings during the year. Mr. Henry Fast from the Canadian Grain Commission was present at the September 25, 1986, meeting to discuss the grading of the 1986-87 crop. Mr. Dick Groundwater and Mr. George McLaughlin, also from the Grain Commission, attended the meeting on April 30, 1987, to discuss the effect of producer cars on the handling and transportation system. On April 7, 1987, Dr. John Schnitker, of Schnitker Associates, Washington, D.C., visited with the Committee to present his views on American agricultural policy. An agricultural delegation from Sichuan Province in the People's Republic of China was hosted to lunch at the September, 1986, meeting.

The Honourable Charles Mayer, Minister of State, Grains and Oilseeds, met with the Advisory Committee at its June 29, 1987, meeting to discuss a number of items of mutual concern. The Committee has appreciated the attendance of Mr. Paul Sanders, Special Assistant to Mr. Mayer, on a number of occasions.

A sub-committee to conduct a full review of the Board's quota system was established at the meeting on June 29, 1987. Messrs. Sahl, Halyk and Maguire were voted as Advisory Committee representatives on the Quota Review Committee and Mrs. Pat Wallace and Mr. Ian McCreary were named as Board representatives. Mr. Sahl serves as Chairman and Mr. McCreary as Secretary. Their first tasks have been to prepare terms of reference and to invite written submissions from interested parties.

Several members of the Advisory Committee attended the Fourteenth Farm Leaders' Course held at the Canadian International Grains Institute from February 23 to March 6, 1987. Those Committee members who were unable to participate in the program were represented by other producers from their districts.

For the eleventh consecutive year, meetings were held by the Wheat Board in the various Committee districts. The format was similar to last year's in that two meetings of shorter duration were held in each district. The District Meetings were held in the following locations, with four in District 11 because of its larger size:





District	Location	1987 Date
1	Miami, Manitoba .....	March 11
	Beausejour, Manitoba .....	March 12
2	Dauphin, Manitoba .....	March 10
	Elgin, Manitoba .....	March 10
3	Carlyle, Saskatchewan .....	March 11
	Milestone, Saskatchewan .....	March 11
4	Foam Lake, Saskatchewan .....	March 10
	Grayson, Saskatchewan .....	March 10
5	Shellbrook, Saskatchewan .....	February 17
	Melfort, Saskatchewan .....	February 17
6	Kindersley, Saskatchewan .....	February 16
	Langham, Saskatchewan .....	February 16
7	Kyle, Saskatchewan .....	April 1
	Ponteix, Saskatchewan .....	April 1
8	Maidstone, Saskatchewan .....	March 24
	Vermilion, Alberta .....	March 24
9	Vulcan, Alberta .....	March 6
	Airdrie, Alberta .....	March 6
10	Stettler, Alberta .....	March 25
	Wetaskiwin, Alberta .....	March 25
11	Radway, Alberta .....	March 3
	Barrhead, Alberta .....	March 3
	Dawson Creek, B.C. ....	March 4
	Fairview, Alberta .....	March 5

The Board would like to express its appreciation once again for the dedicated assistance and guidance provided by the Advisory Committee during the 1986-87 crop year.



## PART VI FINANCIAL RESULTS AND NOTES TO FINANCIAL STATEMENTS

The Financial Statements of the Canadian Wheat Board including notes thereto for the crop year under review are presented in this section of the report. These statements consist of the Balance Sheet (Exhibit I), which sets forth the financial position of the Board as at July 31, 1987, together with other statements (Exhibits II to X) showing the results of Board operations for the year, all as tabulated in the index preceding the financial statements.

The practice of the Board is to include in its accounts at July 31, the final operating results of pool accounts when marketing operations have been completed before the issuance of the annual report. Operations on the 1986 - 87 Pool Accounts for Wheat, Amber Durum Wheat, Oats, Designated Oats, Barley and Designated Barley were completed on October 31, 1987. Details of the final operating results of these pool accounts with commentary thereon are presented in this section of the report.

**TABLE A**

### STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION TO PRODUCERS ON THE 1986-87 POOL ACCOUNT—WHEAT For the period August 1, 1986 to October 31, 1987 with prior year figures for the 1985-86 Pool Account for comparison

	1986-87 Pool Account		1985-86 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
Receipts from Producers	18 555 981 tonnes		18 931 918 tonnes	
Sales value .....	\$2,257,843,835	\$121.677	\$2,911,676,378	\$153.797
Initial payments to producers .....	2,150,584,269	115.897	2,762,203,255	145.902
Gross Surplus .....	<u>107,259,566</u>	<u>5.780</u>	<u>149,473,123</u>	<u>7.895</u>
Deduct Operating Costs:				
Carrying charges:				
Country elevators .....	49,772,667	2.682	80,147,712	4.233
Terminal storage .....	16,582,309	.894	27,039,928	1.428
Total Carrying Charges .....	<u>66,354,976</u>	<u>3.576</u>	<u>107,187,640</u>	<u>5.661</u>
Bank interest & net interest on other				
Board accounts .....	(6,375,164)	(.344)	(2,674,500)	(.141)
Demurrage .....	1,770,643	.095	6,530,228	.345
Additional freight — to terminals .....	8,749,488	.472	8,087,425	.427
— freight rate change .....	825,363	.045	( 126,518)	(.006)
Handling & stop-off .....	( 99,389)	(.005)	508,282	.027
Drying .....	3,724,128	.201	23,113,388	1.221
Interest and depreciation on				
Wheat Board hopper cars .....	7,150,182	.385	10,681,214	.564
Wheat Board administrative expenses .....	17,130,832	.923	19,160,741	1.012
Total Operating Costs .....	<u>99,231,059</u>	<u>5.348</u>	<u>172,467,900</u>	<u>9.110</u>
Surplus (Deficit) on Operations .....	8,028,507	.432	<u>\$ ( 22,994,777)</u>	<u>\$ ( 1.215)</u>
Add: Interest earned after October 31 .....	132,913	.007		
Deduct: Cost of issuing final payment .....	42,447	.002		
Surplus for Distribution to Producers .....	<u>\$ 8,118,973</u>	<u>\$ .437</u>		



Although the basic measurement for grain has been the "tonne" since February 1, 1978, for your information a tonne equals 36.74371 bushels of Wheat, 64.84183 bushels of Oats or 45.92963 bushels of Barley.

## POOL ACCOUNT—WHEAT

### Initial Payments

During the crop year the Board was authorized to purchase wheat from producers at a fixed initial price of \$130.00 per tonne for No. 1 Canada Western Red Spring.

### Supplies of Wheat

Supplies of wheat in the 1986-87 Pool were 20 596 221 tonnes, comprised of 18 555 981 tonnes delivered by producers, 178 783 tonnes acquired from other than producers and 1 861 457 tonnes purchased from the previous pool.

### Grade Pattern

Deliveries of grain to the 1986-87 Pool Account were of similar quality compared with receipts in the previous pool. Deliveries of Nos. 1 and 2 Canada Western Red Spring totaled 9.528 million tonnes or 51.34 per cent of

total receipts, while No. 3 Canada Western Red Spring receipts of 5.056 million tonnes amounted to 27.25 per cent of total receipts. Deliveries of Utility grades including Canada Feed amounted to 2.700 million tonnes or 14.55 per cent of total producer deliveries. Approximately 6.03 per cent of producer deliveries graded tough while .24 per cent graded damp compared to 19.32 per cent grading tough and 3.92 per cent grading damp in the previous year.

### Final Statement of Operations and Surplus for Distribution to Producers—Wheat—Table A

Marketing operations on the Pool Account for Wheat resulted in an operating surplus of \$8,028,507. After allowing for the cost of issuing the final payment and adding estimated interest earnings subsequent to October 31, 1987, the net surplus for distribution to producers amounted to \$8,118,973. This represents an average of \$0.437 on producer deliveries of 18 555 981 tonnes. Table B shows the total price realized by producers at \$130.00 for No. 1 CW Red Spring compared to \$160.00 for the previous pool.

### OPERATING COSTS

Operating costs incurred applicable to the pool were

TABLE B

### PAYMENT RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF WHEAT BASIS IN STORE THUNDER BAY OR VANCOUVER

Grade	Initial Payments	Final Payments (dollars per tonne)	Total
<b>Red Spring Wheat Grades</b>			
No. 1 Canada Western Red Spring .....	130.00	-	130.000
No. 2 Canada Western Red Spring .....	124.21	-	124.210
No. 3 Canada Western Red Spring .....	110.21	-	110.210
No. 1 Canada Utility .....	104.21	2.497	106.707
No. 2 Canada Utility .....	92.21	1.322	93.532
No. 1 Canada Prairie Spring .....	95.21	11.497	106.707
No. 2 Canada Prairie Spring .....	91.21	13.497	104.707
Canada Feed .....	90.00	-	90.000
No. 1 Canada Western Red Winter .....	109.21	-	109.210
No. 2 Canada Western Red Winter .....	107.21	-	107.210
No. 1 Canada Western Soft White Spring ..	105.00	2.707	107.707
No. 2 Canada Western Soft White Spring ..	102.00	4.707	106.707





\$99,231,059 or \$5.348 per tonne. Details of the principal costs and comment thereon follows:

#### **Carrying Charges—\$66,354,976**

Total carrying charges incurred by the Board, including storage and interest charges on wheat in country elevators and storage on wheat in terminal elevators amounted to \$66,354,976 or \$3.576 per tonne.

#### **Bank Interest and Net Interest on Other Board Accounts—(\$6,375,164)**

This consists mainly of bank interest and interest paid to, or received from, other Board accounts. Interest earned exceeded interest paid by \$6,375,164 or \$.344 per tonne.

#### **Additional Freight — to Terminals — \$8,749,488 — Freight Rate Change—\$825,363**

During the crop year the Board paid \$8,749,488 of additional freight arising out of the movement of grain in adverse direction.

With the abolition of the Crows Nest Pass Freight rate on December 31, 1983, freight rates are reviewed annually under the Western Grain Transportation Act. On August 1, 1987 freight rates increased by a net amount of approximately \$.34 per metric tonne and the Board was required to pay the additional freight on the country stocks held by its agents on August 1, 1987 amounting to \$825,363 in the Wheat account.

#### **Drying Charges—\$3,724,128**

Drying charges for 1986-87 totaled \$3,724,128, a very significant decrease from the previous year, reflecting the substantially lower quantities of tough and damp grain delivered to the pool under review.

#### **Interest and Depreciation on Wheat Board Hopper Cars—\$7,150,182**

Costs for the use of the Board's 2,000 hopper cars include depreciation and interest. Hopper car expenses attributable to the 1986-87 Wheat Account totaled \$7,150,182 compared to \$10,681,214 for the previous pool.

#### **POOL ACCOUNT—AMBER DURUM WHEAT**

##### **Initial Payments**

During the crop year the Board was authorized to purchase Amber Durum Wheat from producers at a fixed

initial price of \$130.00 per tonne for No. 1 Canada Western Amber Durum Wheat.

##### **Supplies of Amber Durum Wheat**

Supplies of Amber Durum Wheat in the 1986-87 Pool were 3 061 296 tonnes, comprised of 2 865 836 tonnes delivered by producers, and 5 896 tonnes acquired from other than producers and 189 564 tonnes purchased from the previous pool.

##### **Grade Pattern**

Receipts of Nos. 1, 2 and 3 Canada Western Amber Durum totaled 2.179 million tonnes or 76.02 per cent of total producer deliveries. Approximately 6.53 percent of producer deliveries graded tough while 4.07 per cent graded damp.

##### **Final Statement of Operations and Surplus for Distribution to Producers—Amber Durum Wheat—Table C**

Table C shows the operating results of the Pool Account for the crop year. Marketing operations resulted in a surplus of \$44,748,991. Operating expenses totaled \$18,600,001 for the year or \$6.490 per tonne. The principal cost was carrying charges amounting to \$13,989,821 or \$4.882 per tonne. After allowing for the cost of issuing the final payment and estimated interest earnings subsequent to October 31, 1987, the net surplus for distribution to producers was \$45,448,982. This represents an overall average of \$15.859 per tonne on producer deliveries of 2 865 836 tonnes. Table D shows the total payment received by producers for the principal grades of Amber Durum Wheat delivered during the crop year. This table shows the total price realized by producers for No. 1 Canada Western Amber Durum Wheat of \$150.204 per tonne, compared to \$181.302 per tonne for the previous pool.

#### **POOL ACCOUNT—OATS**

Commencing August 1, 1981, as authorized by Order-in-Council, oats selected and accepted from producers for use in processing and milling for human consumption, has been set up in a separate pool under the caption "Designated Oats". As a result, the transactions described here consist mainly of marketing results related to feeding grades of oats.

##### **Initial Payments**

During the crop year the Board was authorized to purchase oats from producers at a fixed initial price of \$81.00 per tonne for No. 1 Feed Oats.



TABLE C

**STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION TO PRODUCERS  
ON THE 1986-87 POOL ACCOUNT—AMBER DURUM WHEAT**

**For the period August 1, 1986 to October 31, 1987**

**with prior year figures for the 1985-86 Pool Account for comparison**

	1986-87 Pool Account		1985-86 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
Receipts from Producers	<u>2 865 836 tonnes</u>		<u>1 685 977 tonnes</u>	
Sales value .....	\$407,204,103	\$142.089	\$296,715,755	\$175.990
Initial payments to producers .....	<u>343,855,111</u>	<u>119.984</u>	<u>256,984,980</u>	<u>152.425</u>
Gross Surplus .....	<u>63,348,992</u>	<u>22.105</u>	<u>39,730,775</u>	<u>23.565</u>
Deduct Operating Costs:				
Carrying charges:				
Country elevators .....	9,493,349	3.313	6,528,593	3.872
Terminal storage .....	<u>4,496,472</u>	<u>1.569</u>	<u>2,763,732</u>	<u>1.639</u>
Total Carrying Charges .....	<u>13,989,821</u>	<u>4.882</u>	<u>9,292,325</u>	<u>5.511</u>
Interest .....	(570,302)	(.199)	(1,439,525)	(.854)
Demurrage .....	839,952	.293	888,837	.527
Additional freight — to terminals .....	332,687	.116	201,681	.120
— freight rate changes ...	234,532	.082	( 1,024)	(.001)
Handling & stop-off .....	(145,302)	(.051)	916,763	.544
Drying .....	168,588	.059	1,819,147	1.079
Interest and depreciation on Wheat				
Board hopper cars .....	1,104,293	.385	951,213	.564
Wheat Board administrative expenses .....	<u>2,645,732</u>	<u>.923</u>	<u>1,634,638</u>	<u>.970</u>
Total Operating Costs .....	<u>18,600,001</u>	<u>6.490</u>	<u>14,264,055</u>	<u>8.460</u>
Surplus on Operations .....	44,748,991	15.615	25,466,720	15.105
Add: Interest earned after				
October 31 .....	740,827	.258	576,261	.342
Deduct: Cost of issuing final payment .....	<u>40,836</u>	<u>.014</u>	<u>34,602</u>	<u>.021</u>
Surplus for Distribution to Producers .....	<u>\$ 45,448,982</u>	<u>\$ 15.859</u>	<u>\$ 26,008,379</u>	<u>\$ 15.426</u>

TABLE D

**TOTAL PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF AMBER DURUM WHEAT  
BASIS IN STORE THUNDER BAY OR VANCOUVER**

Grade	Initial Payments	Final Payments	Total
		(dollars per tonne)	
<b>Amber Durum Wheat Grades</b>			
No. 1 Canada Western Amber Durum .....	130.00	20.204	150.204
No. 2 Canada Western Amber Durum .....	127.00	18.204	145.204
No. 3 Canada Western Amber Durum .....	125.00	15.204	140.204
No. 4 Canada Western Amber Durum .....	100.00	8.377	108.377
No. 5 Canada Western Amber Durum .....	90.00	—	90.000



## Grade Pattern

Deliveries of Nos. 1 and 2 Canada Western Oats comprised .44 per cent of producer deliveries with feeding grades constituting the remaining 99.56 per cent of total receipts. Board receipts of tough and damp oats made up 3.10 per cent of deliveries.

## Final Statement of Operations—Oats—Table E

Table E shows the operating results of the Pool Account for the 1986-87 crop year. Marketing operations resulted in a surplus of \$4,642,071. Operating expenses totaled \$1,826,457 or \$7.187 per tonne. The principal cost was carrying charges amounting to

TABLE E

### STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION TO PRODUCERS ON THE 1986-87 POOL ACCOUNT—OATS For the period August 1, 1986 to October 31, 1987 with prior year figures for the 1985-86 Pool Account for comparison

	1986-87 Pool Account		1985-86 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
Receipts from Producers	<u>254 144 tonnes</u>		<u>198 411 tonnes</u>	
Sales value .....	\$25,404,669	\$99.962	\$15,223,979	\$76.729
Initial payments to producers .....	<u>18,936,141</u>	<u>74.510</u>	<u>19,614,453</u>	<u>98.857</u>
Gross Surplus (Deficit) .....	<u>6,468,528</u>	<u>25.452</u>	<u>( 4,390,474)</u>	<u>(22.128)</u>
Deduct Operating Costs:				
Carrying charges:				
Country elevators .....	696,193	2.739	1,056,922	5.327
Terminal storage .....	<u>589,322</u>	<u>2.319</u>	<u>538,960</u>	<u>2.716</u>
Total Carrying Charges .....	1,285,515	5.058	1,595,882	8.043
Interest .....	(59,352)	(.233)	236,658	1.193
Demurrage .....	( 6,196)	(.024)	37,344	.188
Additional freight — to terminals .....	243,254	.957	147,068	.741
— freight rate changes ...	17,779	.070	17,206	.087
Drying Charges .....	12,903	.051	171,454	.864
Interest & depreciation on Wheat				
Board hopper cars .....	97,929	.385	111,942	.564
Wheat Board administrative expenses .....	<u>234,625</u>	<u>.923</u>	<u>211,782</u>	<u>1.068</u>
Total Operating Costs .....	1,826,457	7.187	2,529,336	12.748
Surplus (Deficit) on Operations .....	4,642,071	18.265	<u>\$( 6,919,810)</u>	<u>\$(34.876)</u>
Add: Interest earned after				
October 31 .....	76,850	.302		
Deduct: Cost of issuing final payment .....	<u>12,404</u>	<u>.048</u>		
Surplus for Distribution to Producers .....	<u>\$ 4,706,517</u>	<u>\$18.519</u>		





TABLE F

PAYMENT RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF OATS BASIS IN  
STORE THUNDER BAY OR VANCOUVER

Grade	Initial Payments	Final Payments (dollars per tonne)	Total
<b>Oats Grades</b>			
No. 1 Canada Western .....	81.00	24.766	105.766
No. 2 Canada Western .....	79.00	24.766	103.766
Extra No. 1 Feed .....	77.00	20.624	97.624
No. 1 Feed .....	75.00	18.266	93.266
No. 2 Feed .....	70.92	19.346	90.266

TABLE G

STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION TO PRODUCERS  
ON THE 1986-87 POOL ACCOUNT—DESIGNATED OATS  
For the period August 1, 1986 to October 31, 1987  
with prior year figures for the 1985-86 Pool Account for comparison

	1986-87 Pool Account		1985-86 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
Receipts from Producers	55 386 tonnes		36 714 tonnes	
Sales value .....	\$7,178,918	\$129.617	\$5,269,109	\$143.518
Initial prices paid to producers .....	7,037,675	127.067	4,644,373	126.502
Gross Surplus .....	141,243	2.550	624,736	17.016
Deduct Operating Costs:				
Interest and bank charges .....	(27,400)	(.494)	(67,518)	(1.839)
Interest & depreciation on Wheat Board hopper cars .....	21,342	.385	20,714	.564
Wheat Board administrative expenses .....	51,132	.923	35,596	.970
Total Operating Costs .....	45,074	.814	(11,208)	(.305)
Surplus on Operations .....	96,169	1.736	635,944	17.321
Add: Interest earned after October 31 .....	1,592	.029	14,390	.392
Deduct: Cost of issuing final payment .....	1,309	.023	838	.022
Surplus for Distribution to Producers .....	\$ 96,452	\$ 1.742	\$ 649,496	\$ 17.691



\$1,285,515 or \$5.058 per tonne. After allowing for the cost of issuing the final payment and estimated interest earnings subsequent to October 31, 1987, the net surplus for distribution to producers was \$4,706,517 which represents an overall average of \$18.519 per tonne on producer deliveries of 254 144 tonnes. Table F shows the total payment received by producers for the principal grades of oats delivered during the crop year.

#### POOL ACCOUNT—DESIGNATED OATS

Beginning with the crop year commencing on August 1, 1981, oats delivered to the Board to be sold by the Board to purchasers who have selected and accepted the oats for use in processing and milling for human consumption, have been set up in a separate account. This account has been labeled "Designated Oats" and the results of operations on this account with comment thereon are contained in this section of the report.

##### Initial Payments

During the crop year the Board was authorized to purchase Designated Oats from producers at fixed initial prices of \$130.00 and \$128.00 per tonne for Nos. 1 and 2 Canada Western Oats respectively and \$124.00 per tonne for No. 1 Feed Oats.

##### Supplies and Grade Pattern

Supplies of oats in the designated pool were 55 386 tonnes representing deliveries to the Board by producers during the crop year of oats which were selected and accepted by purchasers for use in processing and milling for human consumption. Receipts of Nos. 1 and 2 Canada Western Oats totaled 31 300 tonnes or 56.51 per

cent of total deliveries. Feeding grades totaled 24 086 tonnes or 43.49 per cent of total receipts.

#### Final Statement of Operations and Surplus for Distribution to Producers—Designated Oats—Table G

Table G shows the operating results of this pool account for the crop year. Marketing operations resulted in a surplus of \$96,169. As to operating costs, it should be noted that the Designated Oats Pool, by its very nature does not incur the handling expenses normally related to feeding grades of oats. It is not stored by the Board, being selected by the purchaser and shipped at his request from farm to processing plant via the country elevator. As a result, the only expenses incurred attributable to such oats were costs related to hopper cars owned by the Wheat Board and administrative charges totaling \$72,474 or \$1.308 per tonne. These expenses were reduced by interest earnings of \$27,400 or \$.494 per tonne on the accumulating surplus in the pool. After providing for the cost of issuing the final payment and adding estimated interest earnings subsequent to October 31, 1987, the net surplus for distribution to producers was \$96,452 or \$1.742 per tonne on producer deliveries of 55 386 tonnes. Table H shows the total payment received by producers for the principal grades of Designated Oats delivered during the crop year.

#### POOL ACCOUNT—BARLEY

Since August 1, 1975, as authorized by Order-in-Council, barley selected and accepted from producers for the use of malting, pot or pearling, has been set up in a separate pool under the caption "Designated Barley". As a result, the transactions remaining in the Barley Pool

TABLE H

#### TOTAL PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF DESIGNATED OATS BASIS IN STORE THUNDER BAY OR VANCOUVER

Grade	Initial Payments	Final Payments (dollars per tonne)	Total
<b>Oats Grades</b>			
No. 1 Canada Western .....	130.00	2.585	132.585
No. 2 Canada Western .....	128.00	2.585	130.585
Extra No. 1 Feed .....	126.00	.638	126.638
No. 1 Feed .....	124.00	.638	124.638



TABLE I

**STATEMENT OF OPERATIONS ON THE 1986-87 POOL ACCOUNT—BARLEY**  
**For the period August 1, 1986 to October 31, 1987**  
**with prior year figures for the 1985-86 Pool Account for comparison**

	1986-87 Pool Account		1985-86 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
Receipts from Producers	5 428 259 tonnes		4 947 005 tonnes	
Sales value .....	\$362,974,021	\$ 66.867	\$406,487,805	\$ 82.169
Initial payments to producers .....	431,547,562	79.500	539,124,215	108.980
Gross (Deficit) .....	( 68,573,541)	(12.633)	(132,636,410)	(26.811)
Deduct Operating Costs:				
Carrying charges:				
Country elevators .....	8,767,644	1.615	10,622,501	2.147
Terminal storage .....	1,725,059	.318	3,957,268	.800
Total Carrying Charges .....	10,492,703	1.933	14,579,769	2.947
Interest .....	3,365,236	.620	5,593,975	1.131
Demurrage .....	448,507	.083	975,328	.197
Additional freight — to terminals .....	986,917	.182	2,165,184	.438
— freight rate changes ...	212,161	.039	19,309	.004
Handling and stop-off .....	( 21,312)	( .004)	1,703,300	.344
Drying .....	1,383,103	.255	6,109,994	1.235
Interest & depreciation on Wheat Board hopper cars .....	2,091,673	.385	2,791,055	.564
Wheat Board administrative expenses .....	5,011,355	.923	4,796,365	.970
Total Operating Costs .....	23,970,343	4.416	38,734,279	7.830
(Deficit) on Operations .....	\$(92,543,884)	\$(17.049)	\$(171,370,689)	\$( 34.641)

TABLE J

**PAYMENT RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF BARLEY  
BASIS IN STORE THUNDER BAY OR VANCOUVER**

Grade	Initial Payments (dollars per tonne)
<b>Barley Grades</b>	
No. 1 Canada Western .....	80.00
No. 2 Canada Western .....	77.00
No. 2 Canada Western Mixed Grain .....	67.43





**TABLE K**

**STATEMENT OF OPERATIONS ON THE 1986-87 POOL ACCOUNT—DESIGNATED BARLEY**  
**For the period August 1, 1986 to October 31, 1987**  
**with prior year figures for the 1985-86 Pool Account for comparison**

	1986-87 Pool Account		1985-86 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
Receipts from Producers	<u>1 035 883 tonnes</u>		<u>645 255 tonnes</u>	
Sales value .....	\$147,718,010	\$142.601	\$121,925,659	\$188.957
Initial payments to producers .....	<u>164,254,027</u>	<u>158.564</u>	<u>101,758,993</u>	<u>157.703</u>
Gross (Deficit) Surplus .....	<u>(16,536,017)</u>	<u>(15.963)</u>	<u>20,166,666</u>	<u>31.254</u>
Deduct Operating Costs:				
Interest .....	( 39,614)	( .037)	(2,036,919)	(3.157)
Demurrage .....	118,395	.114	—	—
Interest & depreciation on Wheat Board hopper cars .....	399,157	.385	364,047	.564
Wheat Board administrative expenses .....	<u>956,324</u>	<u>.923</u>	<u>625,606</u>	<u>.970</u>
Total Operating Costs .....	<u>1,434,262</u>	<u>1.385</u>	<u>(1,047,266)</u>	<u>(1.623)</u>
(Deficit) Surplus on Operations .....	<u>\$(17,970,279)</u>	<u>\$(17.348)</u>	21,213,932	32.877
Add: Interest earned after October 31 .....			480,029	.744
Deduct: Cost of issuing final payment .....			<u>10,125</u>	<u>.016</u>
Surplus for Distribution to Producers .....			<u>\$ 21,683,836</u>	<u>\$ 33.605</u>

Account described here consist mainly of marketing results related to feeding grades of barley.

**Initial Payments**

At the beginning of the crop year the Board was authorized to purchase barley from producers at fixed initial prices of \$80.00 and \$77.00 per tonne for Nos. 1 and 2 Canada Western Barley respectively.

**Supplies and Grade Pattern**

Supplies in the regular Feed Barley pool were 5 443 791 tonnes comprised of 5 428 259 tonnes delivered by producers, 15 532 tonnes acquired from other than producers. Deliveries of No.'s 1 and 2 Canada Western Barley comprised 99.71 percent of the producer deliveries in the pool. Board receipts of tough and damp barley made up 4.95 per cent of deliveries.

**Final Statement of Operations—Barley—Table I**

Table I shows the operating results of the Pool Account for the crop year. Marketing operations resulted in a deficit of \$92,543,884 which is recoverable from the Government of Canada with funds provided by Parliament. The total payment realized by producers is therefore, equal to the initial payments as shown in Table J. Operating expenses totaled \$23,970,343 for the year or \$4.416 per tonne. The principal cost was carrying charges amounting to \$10,492,703 or \$1.933 per tonne.

**POOL ACCOUNT—DESIGNATED BARLEY**

As stated previously, since August 1, 1975, barley that has been delivered to the Board to be sold by the Board to purchasers who have selected and accepted the barley for the use in malting, pot or pearling, has been set up in a separate pool account. This account has been



labeled "Designated Barley" and the results of operations on this account with comment thereon are contained in this section of the report.

### Initial Payments

At the beginning of the crop year the Board was authorized to purchase Designated Barley from producers at a fixed initial price of \$155.00 per tonne for Special Select Canada Western Six-Row and \$165.00 per tonne for Special Select Canada Western Two-Row.

### Supplies and Grade Pattern

Supplies of barley in the designated pool were 1,035,883 tonnes representing deliveries to the Board by producers during the crop year of barley which has been selected and accepted by purchasers for the use in malting, pot or pearling. Of these receipts 483 383 tonnes or 46.67 per cent were Special Select grades and 552 500 tonnes or 53.33 per cent were Select grades. Receipts of tough and damp grades totaled 23 444 tonnes or 2.26 per cent of total.

### Final Statement of Operations—Designated Barley—Table K

Table K shows the operating results of this pool account for the crop year. Marketing operations resulted in a deficit of \$17,970,279 which is recoverable from the Government of Canada with funds provided by Parliament. The total payment realized by producers, therefore, is equal to the initial payments as shown in Table L. As to operating costs, it should be noted that the Designated Barley by its very nature does not incur the handling expenses normally related to feeding grades of barley or other grains. It is not stored by the Board, being selected by the processor (buyer) from a producer's sample and is shipped on buyer's call directly from farm to processing plant via the country elevator. As a result the only expenses incurred attributable to such barley were costs related to hopper cars owned by the Wheat Board, administrative charges and demurrage totaling \$1,473,876 or \$1.422 per tonne. These expenses were reduced by interest earnings of \$39,614 or \$.037 per tonne.

TABLE L

#### TOTAL PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF DESIGNATED BARLEY BASIS IN STORE THUNDER BAY OR VANCOUVER

Grade	Initial Payments (dollars per tonne)
<b>Designated Barley Grades</b>	
Special Select Canada Western 2 Row .....	165.00
Special Select Canada Western 6 Row .....	155.00
Select Canada Western 2 Row .....	160.00
Select Canada Western 6 Row .....	150.00



## NOTES TO FINANCIAL STATEMENTS

The following are an integral part of the financial statements.

### (1) ACCOUNTING POLICIES

#### (a) Operating Results and Valuation of Stocks of Grain

The annual accounts at July 31 include the final operating results of all pool accounts for the crop year ended July 31, when marketing operations have been completed before the issuance of the annual report for that year. In determining the financial results for such pools the accounts of the Board at July 31 include:

(i) the stocks of such grains on hand at that date at the values which were ultimately received from the sale thereof basis instore Thunder Bay, Vancouver or Churchill; and

(ii) provision for all expenses incurred or to be incurred before the sales proceeds are realized in cash or in bills of exchange, including a charge for the portion of administrative and general expenses to be incurred subsequent to July 31 but relating to the marketing and accounting for the grains in the various pools before they are closed.

For pool accounts for which marketing operations have not been completed before the issuance of the annual report, the unsold stocks at July 31 are valued at cost, which is the initial price paid to producers, and no provision is made for carrying costs, interest, and administrative expenses beyond that date. Any debit or credit balance in these accounts is carried on the balance sheet.

#### (b) Foreign Currency Translations

Bills of exchange receivable in United States funds which are covered by forward exchange contracts are translated at the contract rates. In all other cases, bills of exchange receivable and bank loans payable in United States funds are translated at the rate of exchange in effect as at the balance sheet date, as is also the liability for debentures repayable in United States funds.

Foreign exchange adjustments arising from conversion of bills of exchange and bank loans are included in operating results. Adjustments arising from conversion of debenture debt are amortized over the term of the debentures.

#### (c) Depreciation

The rates of depreciation being applied are intended to fully depreciate assets over their expected lives and are as follows:

Hopper cars .....	30 years
Office building .....	40 years
Office furniture and equipment .....	10 years
Automotive equipment .....	2 years
(to 1/3 residual value)	

#### (d) Administration and General Expenses

Administration and general expenses, except for that portion of such expenses attributable to distributing final payments to producers, are allocated to the various pool account operations to which the services relate on the basis of the relative tonnage. Expenses attributable to final payments are allocated on the basis of the number of producers receiving payments from the various pool accounts.

### (2) BILLS OF EXCHANGE PLUS ACCRUED INTEREST

Of the total bills of exchange receivable, \$1,327,184,835 (1986 — \$1,348,265,483) represents the Canadian equivalent of \$1,000,139,288 (1986 — \$976,791,627) repayable in United States funds.

The balances receivable arise from sales of grain to Algeria, Brazil, Colombia, Egypt, German Democratic Republic, Haiti, Iraq, Israel, Jamaica, Mexico, Peru, Poland and Zambia. The terms call for payment in full within 36 months or less from time of shipment, except for Brazil, Egypt, Haiti, Jamaica, Mexico, Peru, Poland and Zambia where the Board, together with the Canadian Government, have agreed to reschedule certain receivables beyond their original maturity dates. Terms of such reschedulings call for payment of interest and the rescheduled debt within ten years. As at July 31, 1987 total reschedulings amounted to \$2,236,743,689 including \$903,435,198 which is the Canadian equivalent of \$680,810,247 receivable in United States funds.

As at July 31, 1987 amounts due and not paid by Poland total \$401,171,293 which includes the Canadian equivalent of \$137,024,573 receivable in United States funds. During the crop year the Board together with the Government of Canada concluded a bilateral rescheduling agreement with the Government of the Polish People's Republic, rescheduling





all amounts due and not paid for the period January 1, 1985 to December 31, 1985 amounting to \$175,362,048 which includes the Canadian equivalent of \$121,752,728 receivable in United States funds. Further, in accordance with a multilateral arrangement reached between Poland and official creditors, Poland is presently in the process of negotiating a further rescheduling of amounts due and unpaid to December 31, 1987 and post maturity not paid thereon, on all prior rescheduling agreements. Under this arrangement the amounts due to mature in the year ending December 31, 1988 are also to be rescheduled. At year end the amounts which will be subject to this rescheduling total \$385,927,476 which includes the Canadian equivalent of \$134,128,527 receivable in United States funds.

During the crop year, ending July 31, 1986 the Government of Canada and other creditor nations agreed to a further deferral of certain Zambian obligations that had earlier been rescheduled. The bilateral agreement to reschedule payments due and not paid as at December 31, 1985 and due and not paid for the period January 1, 1986 to December 31, 1986 has yet to be negotiated. The accounts of the Board at July 31, 1987 include \$15,058,519 which may be subject to this rescheduling.

During the crop year the Board together with the Government of Canada concluded a bilateral rescheduling agreement with Brazil rescheduling all obligations due and not paid for the period January 1, 1985 to December 31, 1986 amounting to \$202,831,955.

During the crop year the Government of Canada and other creditor nations agreed with Egypt to reschedule over a ten-year period certain obligations due and not paid as at December 31, 1986 and due and not paid for the period January 1, 1987 to June 30, 1988. The accounts of the Board at July 31, 1987 include \$82,130,828 which will be subject to this rescheduling.

During the crop year the Government of Canada and other creditor nations agreed to reschedule over a nine-year period certain obligations owing by Mexico. The accounts of the Board at July 31, 1987, include \$6,761,195 which is the Canadian equivalent of \$5,095,098 receivable in United States funds which was subject to this rescheduling agreement. This rescheduling was concluded subsequent to the year end.

Credit sales are made within limits established by the Government of Canada which guarantees the

Board's borrowings incurred to finance such sales, both as to principal and interest. Because of these Guarantees the Board does not consider itself to be at risk should any of the unpaid amounts prove to be uncollectable; therefore, no provision is made in its accounts with respect to the possibility of debtors defaulting on their obligations.

### (3) ACCOUNTS RECEIVABLE

Settlement on amounts due on completed sales as at July 31 were received shortly after that date. Sundry accounts receivable consists mainly of freight costs which are recovered on completed sales.

### (4) COVERED HOPPER CARS

The Board purchased 2,000 covered hopper cars in 1979-80 having an original cost of \$90,555,623. Of these 2,000 cars, 34 cars have been wrecked and dismantled leaving 1,966 still in the fleet having an original cost of \$89,016,177 with accumulated depreciation of \$22,256,553 to July 31, 1987. The Board is reimbursed for destroyed cars under an operating agreement with the Canadian National Railway.

### (5) LIABILITY TO BANKS

Details of liability to banks are as follows:

	July 31	
	1987	1986
Ordinary		
Operations	\$ 386,636,692	\$ 367,538,849
Loans to finance		
credit sales	3,465,262,727	3,516,739,651
	<u>\$3,851,899,419</u>	<u>\$3,884,278,500</u>

Of the total liability \$1,325,582,645 (1986 — \$1,344,002,480) represents the Canadian equivalent of \$998,931,910 (1986 — \$973,703,166) repayable in United States funds.

The Board's borrowings are guaranteed by the Government of Canada.

### (6) DEBENTURES PAYABLE

The debentures with a face value of U.S. \$50,000,000 were issued on December 1, 1982, at a price of \$99.50 per \$100, and bear interest at 11 1/4% per annum payable each December 1. No principal repayments are required until maturity on December 1, 1990. Subsequent to the year end, the Board arranged to redeem all the debentures as at



April 15, 1988. A premium of one percent of principal is payable on redemption.

The debentures are secured by a charge against grain held by the Board.

(7) **LIABILITY TO AGENTS FOR GRAIN PURCHASED FROM PRODUCERS**

Grain companies acting in the capacity of agents of the Board accept deliveries from producers at country elevators and pay the producers on behalf of the Board based on the Board's initial price in effect. Settlement is not made by the Board for these purchases until delivery to the Board is completed by its Agents at terminal or mill position. Liability to agents amounting to \$658,389,287 (1986 — \$962,178,232) represents the amount payable by the Board to its agents for 5 895 917 (1986 — 6 961 181) tonnes of wheat, amber durum wheat, oats and barley on hand at country elevator points and in transit at July 31 for which delivery to and settlement by the Board is to be completed subsequent to year end date.

(8) **LIABILITY TO AGENTS FOR DEFERRED CASH TICKETS**

Grain companies as agents of the Board deposit with the Board in trust the proceeds of deferred cash tickets issued for Board grain. These monies are returned to the grain companies to cover producer deferred cash tickets maturing predominately during the first days of the following calendar year.

(9) **ACCRUED EXPENSES AND ACCOUNTS PAYABLE**

This item principally comprises accrued carrying charges, storage, interest and transportation charges to July 31, 1987 together with all other unpaid sundry accounts as at the foregoing date. It

also includes provisions for all charges relating to the marketing of Pool Accounts for wheat, amber durum wheat, oats, designated oats, barley and designated barley for the period from August 1, 1987 to completion of operations on October 31, 1987.

(10) **SPECIAL ACCOUNT—NET BALANCE OF UNDISTRIBUTED PAYMENT ACCOUNTS**

In accordance with the provision of Section 30 of the Canadian Wheat Board Act the Governor in Council may authorize the Board to transfer to a Special Account the unclaimed balances remaining in payment accounts which have been payable to producers for a period of six years or more. In addition to providing for payment of proper claims from producers against these old payment accounts, the Section further provides that these funds shall be used for purposes as the Governor in Council upon the recommendations of the Board may deem to be for the benefit of producers.

(11) **PROVISION FOR FINAL PAYMENT EXPENSES**

This represents the balance of the Board's reserve for final payment expenses of pool accounts that have been closed. Six years after particular accounts have been closed, the remaining reserves for these pools are transferred to the Special Account by Order-in-Council.

(12) **LEASE COMMITMENTS**

The Board, as an agent of Her Majesty in Right of Canada, is the lessor of 2,000 covered hopper cars for the Government of Canada. All lease costs are recoverable from the Government and are not a charge to the operations of the Board. Total payments associated with leases in the year ended July 31, 1987 amounting to \$16,970,573 (1986 — \$16,809,962) have been recovered by the Board. Lease terms are for 20 and 25 years.



## ACKNOWLEDGEMENTS

The Board wishes to express its appreciation for the efforts that were made by the officers and employees of the country elevator companies, the railway companies, terminal elevator companies, export agents, lake vessel operators and all those who participated in the sale and shipment of Prairie grain.

We would also like to record our appreciation for the loyal and conscientious services rendered by officers and staff of the Board.

This report is respectfully submitted.

W. E. JARVIS

Chief Commissioner

R. L. KRISTJANSON

Assistant Chief Commissioner

F. M. HETLAND

Commissioner

W. H. SMITH

Commissioner





METRIC TONNE (For All Grains)

2,204.6226 pounds

1 Metric Tonne = Bushels

Wheat .....	36.743 710
Durum Wheat .....	36.743 710
Oats .....	64.841 841
Barley .....	45.929 638
Rye .....	39.368 261
Flaxseed .....	39.368 261
Canola .....	44.092 452
Corn .....	39.368 261





## **INDEX TO FINANCIAL STATEMENTS**

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#### **Exhibit I**

Balance Sheet

#### **Exhibit II**

Statement of Operations, 1986-87 Pool Account —  
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#### **Exhibit III**

Statement of Operations, 1986-87 Pool Account —  
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#### **Exhibit IV**

Statement of Operations, 1986-87 Pool Account —  
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#### **Exhibit V**

Statement of Operations, 1986-87 Pool Account —  
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Statement of Operations, 1986-87 Pool Account —  
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Statement of Operations, 1986-87 Pool Account —  
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#### **Exhibit VIII**

Statement of Administrative and General Expenses  
and Allocations to Operations for the Year ended  
July 31, 1987

#### **Exhibit IX**

Statement of Advance Payments to Producers under  
the Prairie Grain Advance Payments Act

#### **Exhibit X**

Statement of Special Account Transactions

## **AUDITORS' REPORT**

## **NOTES:**



# EXHIBIT I



## BALANCE SHEET AS AT JULY 31, 1987

(with prior year figures for comparison)

	1987	1986
<b>ASSETS</b>		
Stocks of grain:		
— Wheat .....	\$ 793,856,772	\$ 983,030,499
— Durum .....	153,585,284	69,281,906
— Oats .....	12,640,197	10,643,612
— Designated Oats .....	384,915	216,145
— Barley .....	88,731,182	159,086,431
— Designated Barley .....	21,915,448	13,809,239
	1,071,113,798	1,236,067,832
Bills of exchange plus accrued interest (Note 2) .....	3,466,552,320	3,552,049,345
Accounts receivable (Note 3)		
Amounts due on completed sales .....	39,083,941	102,178,934
Sundry .....	45,840,454	43,108,832
Prairie Grain Advance Payments Act .....	23,665,258	16,101,510
Due from the Government of Canada re deficit on Pool Account Operations:		
Pool Account		
— Wheat .....	—	22,994,777
— Oats .....	—	6,919,810
— Barley .....	92,543,884	171,370,689
— Designated Barley .....	17,970,279	—
The Canadian Wheat Board Building, Winnipeg, at cost less depreciation .....	1,831,777	1,941,914
Covered hopper cars, at cost less depreciation (Note 4) .....	66,759,624	69,904,057
Office furniture, equipment and automobiles, at cost less depreciation .....	1,010,834	1,084,679
Deferred and prepaid expenses .....	9,346,640	10,682,075
	<u>\$4,835,718,809</u>	<u>\$5,234,404,454</u>

# THE CANADIAN WHEAT BOARD



	1987	1986
<b>LIABILITIES</b>		
Liability to banks (Note 5) .....	\$3,851,899,419	\$3,884,278,500
Debentures payable (Note 6) .....	66,350,000	69,015,000
Liability to agents for grain purchased from producers (Note 7) .....	658,389,287	962,178,232
Liability to agents for deferred cash tickets (Note 8) .....	107,072,682	144,884,269
Accrued expenses and accounts payable (Note 9) .....	84,830,034	114,614,257
Outstanding adjustment and final payment cheques to producers:		
— Wheat .....	101,607	355,645
— Durum .....	32,858	55,415
— Oats .....	1,271	2,186
— Designated Oats .....	391	391
— Barley .....	35,300	73,752
— Designated Barley .....	22,565	15,955
Special Account—net balance of undistributed payment accounts (Note 10) .....	7,125,079	4,174,428
Provision for final payment expenses (Note 11) .....	2,342,578	7,439,828
Surpluses resulting from operations:		
Pool Account:		
— Wheat .....	8,028,507	—
— Durum .....	44,748,991	25,466,720
— Oats .....	4,642,071	—
— Designated Oats .....	96,169	635,944
— Designated Barley .....	—	21,213,932
	<u>\$4,835,718,809</u>	<u>\$5,234,404,454</u>



1986-87 POOL ACCOUNT—WHEAT

For the period August 1, 1986, to completion of operations on October 31, 1987  
(with prior year figures for the 1985-86 Pool Account for comparison)

Wheat acquired:  
Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....  
Net tonnes acquired from the adjustment of overages and shortages, etc., at country and  
terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver .....  
Purchased from prior year Pool Account—Wheat .....

Wheat sold:  
Completed sales to July 31 basis in store Thunder Bay, Vancouver or Churchill:  
Domestic .....  
Export .....  
Weight losses in transit and in drying .....

Wheat stocks—being Wheat stocks on hand at July 31 stated at the ultimate value received  
from the sale thereof, basis in store Thunder Bay, Vancouver or Churchill:  
Completed sales for the period subsequent to July 31:  
Domestic .....  
Export .....  
Sale to the subsequent Pool Account—Wheat .....

Surplus on Wheat transactions .....

Operating costs:  
Carrying charges:  
Carrying charges on Wheat stored in country elevators .....  
Storage on Wheat stored in terminal elevators .....

Interest, bank charges and net interest on other Board accounts .....  
Demurrage .....  
Additional freight—Wheat shipped from country stations to terminal position .....  
— freight rate changes .....  
Handling and stop-off on Wheat warehoused at interior terminals .....  
Drying charges .....  
Interest and depreciation on Wheat Board hopper cars .....  
Wheat Board administrative and general expenses .....

Surplus (Deficit) on operations of the Board on the Pool Account—Wheat, for the period from  
August 1, 1986, to October 31, 1987 (1985-86 November 30, 1986) .....



# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

Tonnes	1986-87	Tonnes	1985-86
	Amount		Amount
18 555 981	\$2,150,584,269	18 931 918	\$2,762,203,255
178 783	19,921,478	153 256	22,701,518
1 861 457	244,206,898	2 643 047	485,321,721
<u>20 596 221</u>	<u>2,414,712,645</u>	<u>21 728 221</u>	<u>3,270,226,494</u>
916 987		1 356 661	
13 045 777		12 522 048	
19 039		96 067	
<u>13 981 803</u>	1,728,115,439	<u>13 974 776</u>	2,436,669,118
355 537		470 329	
5 694 438		5 421 659	
564 443		1 861 457	
<u>6 614 418</u>	793,856,772	<u>7 753 445</u>	983,030,499
<u>20 596 221</u>	2,521,972,211	<u>21 728 221</u>	3,419,699,617
	<u>107,259,566</u>		<u>149,473,123</u>
	49,772,667		80,147,712
	16,582,309		27,039,928
	66,354,976		107,187,640
	(6,375,164)		(2,674,500)
	1,770,643		6,530,228
	8,749,488		8,087,425
	825,363		(126,518)
	(99,389)		508,282
	3,724,128		23,113,388
	7,150,182		10,681,214
	17,130,832		19,160,741
	<u>99,231,059</u>		<u>172,467,900</u>
	\$ 8,028,507		\$ (22,994,777)



1986-87 POOL ACCOUNT—AMBER DURUM WHEAT

For the period August 1, 1986, to completion of operations on October 31, 1987  
(with prior year figures for the 1985-86 Pool Account for comparison)

Durum acquired:  
Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....  
Net tonnes acquired from the adjustment of overages and shortages, etc., at country and  
terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver .....  
Purchased from prior year Pool Account—Durum .....

Durum sold:  
Completed sales to July 31 basis in store Thunder Bay, Vancouver or Churchill:  
Domestic .....  
Export .....  
Weight losses in transit and in drying .....

Durum stocks—being Durum stocks on hand at July 31 stated at the ultimate value received  
from the sale thereof, basis in store Thunder Bay, Vancouver or Churchill:  
Completed sales for the period subsequent to July 31:  
Domestic .....  
Export .....  
Sale to the subsequent Pool Account—Durum .....

Surplus on Amber Durum Wheat transactions .....

Operating costs:  
Carrying charges:  
Carrying charges on Durum stored in country elevators .....  
Storage on Durum stored in terminal elevators .....

Interest and bank charges .....  
Demurrage .....  
Additional freight—Durum shipped from country stations to terminal position .....  
—freight rate changes .....  
Handling and stop-off on Durum warehoused at interior terminals .....  
Drying charges .....  
Interest and depreciation on Wheat Board hopper cars .....  
Wheat Board administrative and general expenses .....

Surplus on operations of the Board on the Pool Account—Durum, for the period from  
August 1, 1986, to October 31, 1987 (1985-86 October 31, 1986) .....

# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

1986-87		1985-86	
Tonnes	Amount	Tonnes	Amount
2 865 836	\$343,855,111	1 685 977	\$256,984,980
5 895	658,074	7 299	990,521
189 565	22,875,459	119 646	22,440,181
<u>3 061 296</u>	<u>367,388,644</u>	<u>1 812 922</u>	<u>280,415,682</u>
111 960		131 955	
1 770 302		1 158 296	
2 102		20 075	
<u>1 884 364</u>	277,152,352	<u>1 310 326</u>	250,864,551
41 559		26 635	
514 245		286 396	
621 128		189 565	
<u>1 176 932</u>	153,585,284	<u>502 596</u>	69,281,906
<u>3 061 296</u>	<u>430,737,636</u>	<u>1 812 922</u>	<u>320,146,457</u>
	<u>63,348,992</u>		<u>39,730,775</u>
	9,493,349		6,528,593
	<u>4,496,472</u>		<u>2,763,732</u>
	13,989,821		9,292,325
	(570,302)		(1,439,525)
	839,952		888,837
	332,687		201,681
	234,532		(1,024)
	(145,302)		916,763
	168,588		1,819,147
	1,104,293		951,213
	<u>2,645,732</u>		<u>1,634,638</u>
	<u>18,600,001</u>		<u>14,264,055</u>
	<u>\$ 44,748,991</u>		<u>\$ 25,466,720</u>



1986-87 POOL ACCOUNT—OATS

For the period August 1, 1986, to completion of operations on October 31, 1987  
(with prior year figures for the 1985-86 Pool Account for comparison)

Oats acquired:	
Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....	
Net tonnes acquired from the adjustment of overages and shortages, etc., at country and terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver .....	
Purchased from prior year Pool Account—Oats .....	
Oats sold:	
Completed sales to July 31 basis in store Thunder Bay or Vancouver .....	
Weight losses in transit and in drying .....	
Oats stocks—being Oats stocks on hand at July 31 stated at the ultimate value received from the sale thereof, basis in store Thunder Bay or Vancouver:	
Completed sales for period subsequent to July 31 .....	
Sale to subsequent Pool Account—Oats .....	
Surplus (Deficit) on Oats transactions .....	
Operating costs:	
Carrying charges:	
Carrying charges on Oats stored in country elevators .....	
Storage on Oats stored in terminal elevators .....	
Interest and bank charges .....	
Demurrage .....	
Additional freight —Oats shipped from country stations to terminal position .....	
— freight rate changes .....	
Drying charges .....	
Interest and depreciation on Wheat Board hopper cars .....	
Wheat Board administrative and general expenses .....	
Surplus (Deficit) on operations of the Board on the Pool Account—Oats, for the period from August 1, 1986, to October 31, 1987 (1985-86 November 30, 1986) .....	



# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

1986-87		1985-86	
Tonnes	Amount	Tonnes	Amount
254 144	\$18,936,141	198 411	\$19,614,453
397	42,958	234	23,774
28 990	2,199,808	4 310	440,331
<u>283 531</u>	<u>21,178,907</u>	<u>202 955</u>	<u>20,078,558</u>
178 261	15,007,238	59 640	5,044,472
47			
34 938	3,774,908	114 325	8,443,804
70 285	8,865,289	28 990	2,199,808
<u>283 531</u>	<u>27,647,435</u>	<u>202 955</u>	<u>15,688,084</u>
	<u>6,468,528</u>		<u>(4,390,474)</u>
	696,193		1,056,922
	<u>589,322</u>		<u>538,960</u>
	1,285,515		1,595,882
	(59,352)		236,658
	(6,196)		37,344
	243,254		147,068
	17,779		17,206
	12,903		171,454
	97,929		111,942
	<u>234,625</u>		<u>211,782</u>
	<u>1,826,457</u>		<u>2,529,336</u>
	<u>\$ 4,642,071</u>		<u>\$(6,919,810)</u>



1986-87 POOL ACCOUNT—DESIGNATED OATS

For the period August 1, 1986, to completion of operations on October 31, 1987  
(with prior year figures for 1985-86 Pool Account for comparison)

Designated Oats acquired:	
Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....	
Designated Oats sold:	
Completed sales to July 31 basis in store Thunder Bay or Vancouver .....	
Designated Oats stocks—being Designated Oats stocks on hand at July 31 stated at the ultimate value received from the sale thereof, basis in store Thunder Bay or Vancouver:	
Completed sales for the period subsequent to July 31 .....	
Surplus on Designated Oats transactions .....	
Operating costs:	
Interest .....	
Interest and depreciation on Wheat Board hopper cars .....	
Wheat Board administrative and general expenses .....	
Surplus on operations of the Board on the Pool Account—Designated Oats, for the period from August 1, 1986, to October 31, 1987 (1985-86 October 31, 1986) .....	

# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

1986-87		1985-86	
Tonnes	Amount	Tonnes	Amount
<u>55 386</u>	<u>\$7,037,675</u>	<u>36 714</u>	<u>\$4,644,373</u>
52 367	6,794,003	34 968	5,052,964
<u>3 019</u>	<u>384,915</u>	<u>1 746</u>	<u>216,145</u>
<u>55 386</u>	<u>7,178,918</u>	<u>36 714</u>	<u>5,269,109</u>
	<u>141,243</u>		<u>624,736</u>
	(27,400)		(67,518)
	21,342		20,714
	<u>51,132</u>		<u>35,596</u>
	<u>45,074</u>		<u>(11,208)</u>
	<u>\$ 96,169</u>		<u>\$ 635,944</u>

EXHIBIT VI



1986-87 POOL ACCOUNT—BARLEY

For the period August 1, 1986, to completion of operations on October 31, 1987  
(with prior year figures for the 1985-86 Pool Account for comparison)

Barley acquired:  
Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....  
Net tonnes acquired from the adjustment of overages and shortages, etc., at country and  
terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver .....  
Purchased from prior year Pool Account—Barley .....

Barley sold:  
Completed sales to July 31 basis in store Thunder Bay, Vancouver or Churchill .....  
Weight losses in transit and in drying .....  
Barley stocks—being Barley stocks on hand at July 31 stated at the ultimate value received  
from the sale thereof, basis in store Thunder Bay, Vancouver or Churchill:  
Completed sales for the period subsequent to July 31 .....  
Sales to subsequent pool account—Barley .....

(Deficit) on Barley transactions .....

Operating costs:  
Carrying charges:  
Carrying charges on Barley stored in country elevators .....  
Storage on Barley stored in terminal elevators .....

Interest and bank charges .....  
Demurrage .....  
Additional freight —Barley shipped from country stations to terminal position .....  
—freight rate changes .....

Handling and stop-off on Barley warehoused at interior terminals .....  
Drying charges .....  
Interest and depreciation on Wheat Board hopper cars .....  
Wheat Board administrative and general expenses .....

(Deficit) on operations of the Board on the Pool Account—Barley, for the period  
from August 1, 1986, to October 31, 1987 (1985-86 October 31, 1986) .....



# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

1986-87		1985-86	
Tonnes	Amount	Tonnes	Amount
5 428 259	\$431,547,562	4 947 005	\$539,124,215
15 532	1,230,828	18 862	2,411,708
<u>5 443 791</u>	<u>432,778,390</u>	<u>480 853</u>	<u>53,604,187</u>
4 124 421	275,473,667	<u>5 446 720</u>	<u>595,140,110</u>
4 750	—	3 156 990	303,417,269
1 314 620	88,731,182	21 463	—
<u>5 443 791</u>	<u>364,204,849</u>	2 268 267	159,086,431
	(68,573,541)	<u>5 446 720</u>	<u>462,503,700</u>
			(132,636,410)
	8,767,644		10,622,501
	1,725,059		3,957,268
	10,492,703		14,579,769
	3,365,236		5,593,975
	448,507		975,328
	986,917		2,165,184
	212,161		19,309
	(21,312)		1,703,300
	1,383,103		6,109,994
	2,091,673		2,791,055
	5,011,355		4,796,365
	<u>23,970,343</u>		<u>38,734,279</u>
	<u>\$(92,543,884)</u>		<u>\$(171,370,689)</u>



1986-87 POOL ACCOUNT—DESIGNATED BARLEY

For the period August 1, 1986, to completion of operations on October 31, 1987  
(with prior year figures for the 1985-86 Pool Account for comparison)

Designated Barley acquired:	
Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....	
Designated Barley sold:	
Completed sales to July 31 basis in store Thunder Bay or Vancouver .....	
Designated Barley stocks—being Designated Barley stocks on hand at July 31 stated at the ultimate value received from the sale thereof, basis in store Thunder Bay or Vancouver:	
Completed sales for the period subsequent to July 31 .....	
(Deficit) Surplus on Designated Barley transactions .....	
Operating costs:	
Interest .....	
Demurrage .....	
Interest and depreciation on Wheat Board hopper cars .....	
Wheat Board administrative and general expenses .....	
(Deficit) Surplus on operations of the Board on the Pool Account—Designated Barley, for the period from August 1, 1986, to October 31, 1987 (1985-86 October 31, 1986) .....	

# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

1986-87		1985-86	
Tonnes	Amount	Tonnes	Amount
<u>1 035 883</u>	<u>\$164,254,027</u>	<u>645 255</u>	<u>\$101,758,993</u>
876 186	125,802,562	574 947	108,116,420
<u>159 697</u>	<u>21,915,448</u>	<u>70 308</u>	<u>13,809 239</u>
<u>1 035 883</u>	<u>147,718,010</u>	<u>645 255</u>	<u>121,925,659</u>
	<u>(16,536,017)</u>		<u>20,166,666</u>
	( 39,614)		(2,036,919)
	118,395		
	399,157		364,047
	<u>956,324</u>		<u>625,606</u>
	<u>1,434,262</u>		<u>(1,047,266)</u>
	<u>\$(17,970,279)</u>		<u>\$ 21,213,932</u>



## STATEMENT OF ADMINISTRATIVE AND GENERAL

For the year ended July 31, 1987 (with prior year figures for comparison)

Administrative and General Expenses:	1986-87	1985-86
Salaries—Board members, officers and staff .....	\$15,091,466	\$15,339,013
Unemployment insurance, pension, group insurance, medical & other employee benefits .....	2,032,540	2,022,676
Manitoba Health and Education Tax .....	255,791	225,074
Advisory Committee—travelling expenses and per diem allowances .....	176,096	77,769
Rental & lighting of offices including maintenance of The Canadian Wheat Board Building .....	1,419,340	1,590,643
Telephones—exchange service & long distance calls .....	423,592	347,095
Telegrams, cables & telex expense .....	151,400	145,468
Postage .....	575,798	636,982
Printing, stationery & supplies .....	612,703	595,479
Annual report, mini report & "Grain Matters", etc. ....	142,946	139,041
District meetings .....	18,429	13,564
Office expense .....	626,626	566,028
Travelling & transfer of staff .....	739,336	893,265
Travelling expenses—inspectors .....	178,144	162,716
Legal fees and court costs .....	37,301	47,586
Audit fees .....	91,000	91,000
Computing equipment—rental & sundries .....	2,628,148	3,481,523
Repair & upkeep of office machines & equipment .....	52,562	47,889
Grain market publications & services .....	109,226	88,272
The Canadian Wheat Board share of operating expenses of Canadian International Grains Institute .....	1,100,446	997,623
Bonds and insurance .....	42,712	40,408
Winnipeg Commodity Exchange dues .....	12,120	10,370
Depreciation on building, furniture, equipment & automobiles .....	334,808	339,715
	<u>\$26,852,530</u>	<u>\$27,899,199</u>





## EXPENSES AND ALLOCATIONS TO OPERATIONS

### Allocations to Operations:

	1986-87	1985-86
1. Marketing of Producers' Grain		
1986-87 Pool Account—Wheat .....	\$9,053,849	
1986-87 Pool Account—Durum .....	1,398,301	
1986-87 Pool Account—Oats .....	124,002	
1986-87 Pool Account—Designated Oats .....	27,024	
1986-87 Pool Account—Barley .....	2,648,560	
1986-87 Pool Account—Designated Barley .....	505,429	
1985-86 Pool Account—Wheat .....	8,730,194	
1985-86 Pool Account—Durum .....	708,737	
1985-86 Pool Account—Oats .....	102,819	
1985-86 Pool Account—Designated Oats .....	15,433	
1985-86 Pool Account—Barley .....	2,079,580	
1985-86 Pool Account—Designated Barley .....	271,247	
	<u>25,665,175</u>	\$26,560,892
2. Distributing Final Payments to Producers		
(a) Wheat & Durum		
1985-86 Pool Account—Durum .....	90,676	
1984-85 Pool Account—Wheat .....	18,484	
1984-85 Pool Account—Durum .....	3,221	
1983-84 Pool Account—Wheat .....	1,643	
1983-84 Pool Account—Durum .....	223	
1982-83 Pool Account—Wheat .....	896	
1982-83 Pool Account—Durum .....	124	
1981-82 Pool Account—Wheat .....	1,044	
1981-82 Pool Account—Durum .....	144	
1980-81 Pool Account—Wheat .....	747	
1980-81 Pool Account—Durum .....	103	
	<u>117,311</u>	233,801
(b) Coarse Grains		
1985-86 Pool Account—Designated Oats .....	4,771	
1985-86 Pool Account—Designated Barley .....	26,382	
1984-85 Pool Account—Oats .....	819	
1984-85 Pool Account—Designated Oats .....	201	
1984-85 Pool Account—Barley .....	19,442	
1984-85 Pool Account—Designated Barley .....	14,386	
1983-84 Pool Account—Oats .....	798	
1983-84 Pool Account—Designated Oats .....	78	
1983-84 Pool Account—Barley .....	1,011	
1983-84 Pool Account—Designated Barley .....	178	
1982-83 Pool Account—Oats .....	145	
1982-83 Pool Account—Designated Oats .....	25	
1982-83 Pool Account—Designated Barley .....	103	
1981-82 Pool Account—Designated Oats .....	339	
1981-82 Pool Account—Barley .....	578	
1981-82 Pool Account—Designated Barley .....	103	
1980-81 Pool Account—Oats .....	173	
1980-81 Pool Account—Barley .....	434	
1980-81 Pool Account—Designated Barley .....	78	
	<u>70,044</u>	104,506
3. Allocation authorized by Order-in-Council from Special Account—		
Undistributed Payment Accounts in partial		
payment of Administrative and General Expense incurred		
in respect of the Prairie Grain Advance Payments Act .....	1,000,000	1,000,000
	<u>\$26,852,530</u>	<u>\$27,899,199</u>



STATEMENT OF ADVANCE PAYMENTS TO PRODUCERS  
UNDER THE PRAIRIE GRAIN ADVANCE PAYMENTS ACT

As at July 31, 1987

	Cash Advances to Producers	Advances Repaid by Producers	Balance to be Refunded by Producers
1957-58 Crop Year .....	\$ 35,203,467	\$ 35,200,848	\$ 2,619
1958-59 Crop Year .....	34,369,653	34,366,768	2,885
1959-60 Crop Year .....	38,492,505	38,490,061	2,444
1960-61 Crop Year .....	63,912,550	63,904,499	8,051
1961-62 Crop Year .....	16,656,713	16,651,472	5,241
1962-63 Crop Year .....	29,251,526	29,245,974	5,552
1963-64 Crop Year .....	62,136,418	62,129,679	6,739
1964-65 Crop Year .....	32,961,844	32,955,727	6,117
1965-66 Crop Year .....	40,600,386	40,596,511	3,875
1966-67 Crop Year .....	36,668,270	36,664,915	3,355
1967-68 Crop Year .....	47,280,533	47,277,578	2,955
1968-69 Crop Year .....	151,852,319	151,772,155	80,164
1969-70 Crop Year .....	272,777,516	272,476,426	301,090
1970-71 Crop Year .....	91,105,890	91,076,244	29,646
1971-72 Crop Year .....	68,142,360	68,109,097	33,263
1972-73 Crop Year .....	20,754,104	20,743,234	10,870
1973-74 Crop Year .....	35,259,387	35,219,656	39,731
1974-75 Crop Year .....	46,635,399	46,604,087	31,312
1975-76 Crop Year .....	20,236,528	20,208,199	28,329
1976-77 Crop Year .....	130,592,220	130,477,908	114,312
1977-78 Crop Year .....	119,090,916	118,927,013	163,903
1978-79 Crop Year .....	151,316,450	151,195,088	121,362
1979-80 Crop Year .....	99,146,581	99,092,368	54,213
1980-81 Crop Year .....	61,640,150	61,598,229	41,921
1981-82 Crop Year .....	333,688,190	333,218,361	469,829
1982-83 Crop Year .....	309,022,755	308,165,295	857,460
1983-84 Crop Year .....	286,736,519	285,846,300	890,219
1984-85 Crop Year .....	201,289,320	200,209,940	1,079,380
1985-86 Crop Year .....	340,670,596	338,069,668	2,600,928
1986-87 Crop Year .....	642,511,850	611,467,079	31,044,771
	<u>\$3,820,002,915</u>	<u>\$3,781,960,379</u>	
Balance to be refunded by Producers as at July 31, 1987 .....			38,042,536
Add:			
Bank interest to July 31, 1987 payable by the Government of Canada .....		136,344,609	
Less: Amount paid to July 31, 1987 .....		<u>136,061,601</u>	<u>283,008</u>
			38,325,544
Deduct:			
Balance of funds received to cover advance payments in default:			
Government of Canada .....		1,546,600	
Line Elevator Companies .....		78,621	
Interest received on default payments .....		<u>13,035,065</u>	<u>14,660,286</u>
Owing to The Canadian Wheat Board as at July 31, 1987 .....			<u>\$23,665,258</u>



## STATEMENT OF SPECIAL ACCOUNT TRANSACTIONS

## For the year ended July 31, 1987

Balance of Special Account as at July 31, 1986 ..... \$4,791,984

Transfer to Special Account authorized by Order-in-Council P.C. 1987 - 1121 from the following:

1979 Wheat Payment Account .....	\$3,485,181	
1979 Durum Payment Account .....	448,708	
1979 Barley Payment Account .....	741,992	
1979 Designated Barley Payment Account .....	366,630	5,053,511
		9,227,939

## Expenditures:

Authorized by Order-in-Council No.	Description of Purpose	Unexpended as at July 31, 1986	Authorized Crop Year 1986-87	Unexpended as at July 31, 1987	Expended Crop Year 1986-87
P.C. 1987 - 1122	Canadian International Grains Institute—Capital Expenditures	\$ —	\$ 150,000	\$ 123,984	\$ 26,016
P.C. 1987 - 439	General Promotion and Overseas Advertising .....	133,086	750,000	455,787	427,299
P.C. 1986 - 1874	Market Development .....	461,972	—	191,263	270,709
P.C. 1986 - 1058	Prairie Grain Advance Payment Act—Administration .....	2,000,000	—	1,000,000	1,000,000
P.C. 1985 - 2262	Remote Sensing Crop Monitoring Project .....	33,000	—	—	33,000
P.C. 1985 - 1945	Customer Mission Program—50th Anniversary .....	220,678	—	169,936	50,742
P.C. 1984 - 2690	Customer Mission Program .....	266,137	—	223,759	42,378
P.C. 1983 - 2007	Canadian International Grains Institute—Capital Expenditures .....	45,048	—	42,097	2,951
P.C. 1983 - 2003	Joint Policy Coordinating Committee of Canada and United States Wheat Producers .....	88,133	—	88,133	—
P.C. 1981 - 3436	Scholarship and Assistantship Program .....	44,118	235,882	37,330	242,670
		<u>\$3,292,172</u>	<u>\$1,135,882</u>	<u>\$2,332,289</u>	<u>2,095,765</u>
					7,132,174

Less: Payments to producers against old payment accounts ..... 7,095

Balance of Special Account as at July 31, 1987 ..... \$4,791,984

As at July 31, 1987 there were unexpended authorizations totalling \$2,332,289 leaving an unexpended balance of \$4,791,984 in the Account

AUDITORS' REPORT

To The Canadian Wheat Board:

We have examined the balance sheet of The Canadian Wheat Board as at July 31, 1987, and the statements of operations for the 1986-87 pool accounts for wheat, amber durum wheat, oats, designated oats, barley and designated barley for the period August 1, 1986 to completion of operations on October 31, 1987, the statement of administrative and general expenses and allocations to operations for the year ended July 31, 1987, the statement of advance payments to producers under the Prairie Grain Advance Payments Act as at July 31, 1987, and the statement of special account transactions for the year ended July 31, 1987. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests and other procedures as we considered necessary in the circumstances.

In our opinion, these financial statements present fairly the financial position of the Board as at July 31, 1987 and the results of operations for the periods shown, in accordance with generally accepted accounting principles consistently applied.

*Deloitte Haskins + Sells*

Chartered Accountants

March 14, 1988





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**TABLE I**  
**ACREAGE OF PRINCIPAL GRAINS IN THE WESTERN CANADIAN PROVINCES**  
**1963 TO 1987**

Crop Year	Wheat 000 acres	Durum 000 acres	All Wheat 000 acres	Oats 000 acres	Barley 000 acres	Rye 000 acres	Flaxseed <sup>2</sup> 000 acres	Canola <sup>3</sup> 000 acres	Total 000 acres
1963	25,087	2,003	27,090	6,338	6,042	634	1,630	478	42,212
1964	27,427	1,773	29,200	5,136	5,325	637	1,918	791	43,007
1965	27,093	799	27,892	5,705	5,893	745	2,267	1,435	43,937
1966	28,229	1,064	29,293	5,491	7,160	674	1,885	1,525	46,028
1967	28,369	1,302	29,671	5,157	7,780	631	999	1,635	45,873
1968	26,648	2,370	29,018	5,418	8,500	622	1,503	1,056	46,117
1969	21,396	3,154	24,550	5,506	8,970	786	2,321	2,022	44,155
1970	9,010	3,065	12,075	5,320	9,480	767	3,300	4,074	35,016
1971	16,722	2,272	18,994	5,405	13,508	907	1,762	5,341	45,917
1972	17,755	3,160	20,915	4,723	12,050	583	1,320	3,318	42,909
1973	20,865	2,350	23,215	5,370	11,520	584	1,450	3,205	45,344
1974	18,720	2,850	21,570	4,865	11,370	804	1,450	3,160	43,219
1975	19,205	3,650	22,855	4,710	10,590	747	1,400	4,520	44,822
1976	23,665	3,500	27,165	4,738	10,302	550	800	1,778	45,333
1977	22,475	1,800	24,275	4,220	11,330	566	1,475	3,590	45,456
1978	22,020	3,650	25,670	3,460	10,060	733	1,300	6,980	48,203
1979	22,580	2,800	25,380	2,750	8,730	745	2,300	8,420	48,325
1980	23,760	3,300	27,060	2,706	10,950	686	1,370	5,140	47,912
1981	25,856	4,200	30,056	3,068	12,730	999	1,150	3,463	51,466
1982	26,950	3,650	30,600	3,170	11,875	997	1,550	4,390	52,582
1983	29,660	3,500	33,160	2,620	9,830	956	1,065	5,750	53,381
1984	27,710	4,150	31,860	2,680	10,395	815	1,780	7,610	55,140
1985	28,920	4,300	33,220	2,710	10,800	830	1,830	6,875	56,265
1986	29,750	4,560	34,310	2,610	10,810	721	1,865	6,430	56,746
1987 <sup>1</sup>	27,315	5,400	32,715	2,520	11,340	725	1,520	6,560	55,380

<sup>1</sup> Subject to revision.

<sup>2</sup> Flaxseed acreage for British Columbia not available 1972 forward.

<sup>3</sup> Canola acreage for British Columbia not available 1963 to 1966.

Source: Statistics Canada.



**TABLE II**  
**YIELD OF PRINCIPAL GRAINS IN THE WESTERN CANADIAN PROVINCES**  
**1963 TO 1987**

Crop Year	Wheat kg per acre	Durum kg per acre	All Wheat kg per acre	Oats kg per acre	Barley kg per acre	Rye kg per acre	Flaxseed kg per acre	Canola kg per acre
1963	710	679	708	748	777	485	317	399
1964	545	494	542	631	657	434	256	378
1965	622	546	621	743	766	561	317	356
1966	754	727	754	723	862	594	297	383
1967	533	422	528	591	666	427	228	344
1968	601	522	593	722	786	470	325	418
1969	728	716	727	760	856	437	305	376
1970	705	718	708	811	890	566	366	404
1971	744	671	735	836	930	577	322	406
1972	678	633	672	786	897	518	337	397
1973	685	600	678	796	851	566	340	382
1974	595	548	588	638	738	561	241	368
1975	730	646	716	763	856	651	317	407
1976	843	817	841	856	980	706	345	471
1977	784	709	778	848	1 004	650	442	550
1978	807	781	803	805	979	772	440	501
1979	644	643	644	770	973	627	354	405
1980	689	617	680	820	971	547	323	483
1981	810	709	796	840	1 006	833	407	530
1982	860	855	859	930	1 085	821	474	512
1983	775	749	772	826	945	775	417	453
1984	655	502	635	732	885	702	389	447
1985	729	455	694	822	976	613	493	504
1986	882	854	878	957	817	775	550	577
1987 <sup>1</sup>	783	755	779	969	1 147	628	518	582

Subject to revision.

Source: Statistics Canada.



**TABLE III**  
**PRODUCTION OF PRINCIPAL GRAINS IN THE WESTERN CANADIAN PROVINCES**  
**1963 TO 1987**

Crop Year	Wheat 000 tonnes	Durum 000 tonnes	All Wheat 000 tonnes	Oats 000 tonnes	Barley 000 tonnes	Rye 000 tonnes	Flaxseed <sup>2</sup> 000 tonnes	Canola <sup>3</sup> 000 tonnes	Total 000 tonnes
1963	17 821	1 361	19 182	4 736	4 691	308	516	190	29 623
1964	14 945	876	15 821	3 243	3 502	276	493	300	23 635
1965	16 842	436	17 278	4 241	4 518	418	722	513	27 690
1966	21 285	773	22 058	3 975	6 169	401	559	585	33 747
1967	15 129	550	15 679	3 046	5 178	268	229	563	24 963
1968	16 005	1 236	17 241	3 908	6 689	292	490	441	29 061
1969	15 578	2 259	17 837	4 190	7 670	343	706	760	31 506
1970	6 355	2 202	8 557	4 318	8 448	435	1 214	1 646	24 618
1971	12 446	1 524	13 970	4 522	12 571	523	567	2 166	34 319
1972	12 033	2 000	14 033	3 717	10 812	304	447	1 317	30 630
1973	14 294	1 410	15 704	4 270	9 798	328	493	1 224	31 817
1974	11 145	1 562	12 707	3 108	8 391	452	351	1 163	26 172
1975	14 013	2 357	16 370	3 596	9 051	486	444	1 839	31 786
1976	19 954	2 858	22 812	4 053	10 087	387	277	837	38 453
1977	17 622	1 276	18 898	3 580	11 380	368	653	1 973	36 852
1978	17 772	2 852	20 624	2 787	9 847	566	572	3 497	37 893
1979	14 557	1 799	16 356	2 117	7 899	467	815	3 411	31 065
1980	16 368	2 036	18 404	2 219	10 649	375	442	2 483	34 572
1981	20 945	2 977	23 922	2 578	12 804	832	468	1 837	42 441
1982	23 174	3 121	26 295	2 949	12 882	819	734	2 246	45 925
1983	22 976	2 620	25 596	2 165	9 286	741	444	2 602	40 834
1984	18 137	2 085	20 222	1 961	9 197	572	693	3 407	36 052
1985	21 089	1 957	23 046	2 227	11 061	509	902	3 467	41 212
1986	26 247	3 897	30 144	2 726	13 216	559	1 026	3 713	51 384
1987 <sup>1</sup>	21 399	4 082	25 481	2 442	13 005	455	788	3 822	45 993

<sup>1</sup> Subject to revision.

<sup>2</sup> Flaxseed production for British Columbia not available 1972 forward.

<sup>3</sup> Canola production for British Columbia not available 1963 to 1966.

Source: Statistics Canada.



**TABLE IV**  
**PRODUCERS' MARKETINGS — WESTERN CANADIAN GRAINS**  
**CROP YEARS 1962-63 TO 1986-87**

Crop Year	Wheat 000 tonnes	Durum 000 tonnes	All Wheat 000 tonnes	Oats 000 tonnes	Barley 000 tonnes	Rye 000 tonnes	Flaxseed 000 tonnes	Canola 000 tonnes	Total 000 tonnes
1962-63	11 690	1 218	12 908	1 372	1 752	238	344	129	16 443
1963-64	14 284	1 191	15 475	767	2 002	202	441	170	18 656
1964-65	13 439	836	14 275	632	1 632	187	428	247	16 369
1965-66	14 967	529	15 496	798	2 044	306	602	426	19 673
1966-67	16 577	633	17 210	593	2 454	279	511	472	21 546
1967-68	11 922	489	12 411	475	1 901	176	202	454	17 649
1968-69	10 846	670	11 516	641	1 780	97	389	399	16 111
1969-70	10 158	1 089	11 247	322	3 667	193	561	646	16 673
1970-71	8 838	1 621	10 459	898	5 136	295	856	1 395	17 879
1971-72	11 945	2 139	14 084	499	6 433	395	548	1 584	20 538
1972-73	15 359	1 875	17 234	501	5 156	235	466	1 428	25 020
1973-74	13 294	1 302	14 596	614	5 118	189	391	993	21 901
1974-75	10 182	1 315	11 497	621	4 555	265	274	935	18 147
1975-76	11 993	2 307	14 300	794	4 686	321	395	1 399	21 895
1976-77	13 410	1 532	14 942	846	5 814	301	246	1 030	23 179
1977-78	17 275	1 835	19 110	764	5 237	256	494	1 759	27 620
1978-79	12 987	1 486	14 473	363	5 364	247	425	2 945	23 817
1979-80	16 795	1 909	18 704	319	5 408	449	675	2 928	28 483
1980-81	15 902	2 722	18 624	391	6 430	354	424	2 153	28 376
1981-82	17 064	2 607	19 671	503	7 505	617	377	1 991	30 664
1982-83	22 462	2 868	25 330	365	7 023	518	536	2 016	35 788
1983-84	20 749	2 273	23 022	407	6 690	691	381	2 264	33 455
1984-85	16 398	1 784	18 182	314	5 077	331	533	2 984	27 421
1985-86	19 277	1 691	20 968	320	6 435	238	689	2 926	31 576
1986-87 <sup>1</sup>	19 474	2 934	22 408	457	7 448	259	777	3 364	34 713

<sup>1</sup> Subject to revision.

Source: Canadian Grain Commission for 1986-87.

All previous years — Statistics Canada "Grain Trade of Canada".

**TABLE V**  
**PRIMARY ELEVATOR SHIPMENTS**  
**CROP YEARS 1971-72 TO 1986-87**

Crop Year	Wheat 000 tonnes	Durum 000 tonnes	All Wheat 000 tonnes	Oats 000 tonnes	Barley 000 tonnes	Rye 000 tonnes	Flaxseed 000 tonnes	Canola 000 tonnes	Total 000 tonnes
1971-72	14 160	2 054	16 214	641	6 676	297	574	967	25 369
1972-73	15 061	1 853	16 914	589	4 662	290	507	1 239	24 201
1973-74	12 926	1 400	14 326	578	4 677	193	362	753	20 889
1974-75	11 173	1 577	12 750	528	4 838	213	279	679	19 287
1975-76	12 363	1 881	14 244	798	5 431	316	284	741	21 814
1976-77	13 384	1 704	15 088	942	5 232	265	317	1 035	22 879
1977-78	15 498	1 876	17 374	556	5 179	260	340	1 082	24 801
1978-79	13 508	1 478	14 986	353	5 680	219	466	1 863	23 567
1979-80	16 402	2 144	18 546	564	5 733	389	490	1 603	27 615
1980-81	15 988	2 500	18 488	406	5 740	450	508	1 280	26 872
1981-82	17 643	2 638	20 281	465	7 459	507	394	1 285	30 391
1982-83	21 089	2 871	23 960	368	6 815	388	382	1 228	33 141
1983-84	21 149	2 544	23 693	414	7 086	738	528	1 446	33 905
1984-85	17 803	1 933	19 736	303	4 551	346	490	1 751	27 183
1985-86	17 481	1 438	18 919	236	5 859	283	558	1 616	27 471
1986-87 <sup>1</sup>	19 849	2 550	22 399	445	7 508	197	625	2 148	33 322

<sup>1</sup> Subject to revision.

Source: Canadian Grain Commission for 1986-87.

All previous years — Statistics Canada "Grain Trade of Canada".

**TABLE VI**  
**VESSEL SHIPMENTS OF PRINCIPAL GRAINS FROM THE LAKEHEAD**  
**CROP YEARS 1967-68 TO 1986-87**

Crop Year	Wheat 000 tonnes	Durum 000 tonnes	All Wheat 000 tonnes	Oats 000 tonnes	Barley 000 tonnes	Rye 000 tonnes	Flaxseed 000 tonnes	Canola 000 tonnes	Total 000 tonnes
1967-68	4 301	415	4 716	437	825	85	223	8	6 294
1968-69	4 370	603	4 973	309	895	84	167	25	6 453
1969-70	5 317	638	5 955	407	2 050	79	282	98	8 871
1970-71	6 481	1 210	7 691	427	3 398	97	363	317	12 293
1971-72	7 119	1 464	8 583	418	4 193	131	406	333	14 064
1972-73	7 765	1 403	9 168	404	2 497	68	334	391	12 862
1973-74	7 040	1 182	8 222	235	2 157	102	210	143	11 069
1974-75	6 173	1 241	7 414	215	2 068	103	168	61	10 029
1975-76	7 629	1 682	9 311	492	2 223	218	121	31	12 396
1976-77	7 448	1 212	8 660	669	2 159	67	207	161	11 923
1977-78	7 424	1 649	9 073	358	2 735	158	192	83	12 599
1978-79	7 351	1 017	8 368	201	2 859	57	333	249	12 067
1979-80	8 535	1 630	10 165	298	2 231	243	280	424	13 641
1980-81	8 285	1 783	10 068	212	1 961	315	269	127	12 952
1981-82	8 739	2 019	10 758	199	2 725	372	229	136	14 419
1982-83	10 918	2 242	13 160	163	3 182	116	249	125	16 995
1983-84	11 751	2 312	14 063	138	3 555	74	345	185	18 360
1984-85	9 559	1 741	11 300	90	1 066	12	322	150	12 940
1985-86	7 975	1 128	9 103	41	1 521	11	327	156	11 159
1986-87 <sup>1</sup>	9 088	1 799	10 887	122	2 356	27	422	208	14 022

<sup>1</sup> Subject to revision.

Source: Canadian Grain Commission 451.10 for 1986-87.

All previous years — Statistics Canada "Grain Trade of Canada".

**TABLE VII**  
**CANADIAN WHEAT SUPPLIES AND DISPOSITION**  
**CROP YEARS 1967-68 TO 1987-88**

Crop Year	Inward Carryover <sup>1</sup>		Production <sup>1</sup>	Total Supplies	Domestic Disappearance <sup>2</sup>		Exports <sup>1</sup> Wheat and Flour	Total Outward Carryover July 31st
	August 1st				Farm	Commercial		
	Farm	Commercial						
	000 tonnes	000 tonnes						
1967-68	5 443	10 117	16 137	31 697	2 366	1 884	9 145	18 302
1968-69	6 613	11 689	17 689	35 991	2 479	2 006	8 323	23 183
1969-70	10 130	13 053	18 267	41 450	2 166	2 402	9 430	27 452
1970-71	14 770	12 682	9 024	36 476	2 355	2 295	11 846	19 980
1971-72	10 746	9 235	14 412	34 393	2 435	2 351	13 720	15 887
1972-73	8 477	7 410	14 515	30 402	2 384	2 381	15 692	9 945
1973-74	3 130	6 815	16 162	26 107	2 280	2 292	11 446	10 089
1974-75	2 205	7 884	13 304	23 393	2 016	2 560	10 779	8 038
1975-76	1 633	6 405	17 081	25 119	2 396	2 408	12 336	7 979
1976-77	1 578	6 401	23 587	31 566	2 523	2 289	13 436	13 318
1977-78	7 158	6 160	19 858	33 176	2 460	2 561	16 040	12 115
1978-79	5 007	7 108	21 136	33 251	2 466	2 790	13 084	14 911
1979-80	8 954	5 957	17 196	32 107	2 688	2 809	15 889	10 721
1980-81	4 273	6 448	19 292	30 013	2 732	2 509	16 262	8 510
1981-82	1 585	6 925	24 803	33 313	2 831	2 322	18 447	9 713
1982-83	3 560	6 153	26 736	36 449	2 602	2 496	21 368	9 983
1983-84	2 010	7 973	26 505	36 488	3 191	2 342	21 765	9 190
1984-85	1 735	7 455	21 199	30 389	2 914	2 294	17 583	7 598
1985-86	1 080	6 518	24 252	31 850	2 962	2 593	17 725	8 570
1986-87	771	7 799	31 378	39 948	3 733	2 608	20 783	12 824
1987-88 <sup>3</sup>	5 227	7 597	26 342	39 166				

<sup>1</sup> Source: Statistics Canada.

<sup>2</sup> A residual item. Farm disappearance is computed by adding inward farm carryover and production and deducting therefrom marketings and outward farm carryover. Commercial disappearance is computed by adding inward commercial carryover and marketings and deducting therefrom outward commercial carryover and exports.

<sup>3</sup> Subject to revision.

<sup>4</sup> Human food consumption in 1985-86 amounted to 2 127 000 tonnes. In 1986-87 the amount was 2 100 000 tonnes.

**TABLE VIII**  
**CANADIAN OATS SUPPLIES AND DISPOSITION**  
**CROP YEARS 1967-68 TO 1987-88**

								Total Outward Carryover July 31st
Crop Year	Inward Carryover <sup>1</sup>		Production <sup>1</sup>	Total Supplies	Domestic Disappearance <sup>3</sup>		Exports <sup>2</sup>	
	August 1st				Farm	Commercial		
	Farm	Commercial						
	000 tonnes	000 tonnes			000 tonnes	000 tonnes		
1967-68	1 326	444	4 654	6 424	4 570	535	55	1 264
1968-69	925	339	5 501	6 765	4 323	416	42	1 984
1969-70	1 457	527	5 473	7 457	4 603	487	79	2 288
1970-71	2 005	283	5 445	7 733	5 144	449	206	1 934
1971-72	1 406	528	5 640	7 574	5 067	523	161	1 823
1972-73	1 480	343	4 665	6 488	4 642	510	107	1 229
1973-74	1 002	227	5 070	6 299	4 573	519	13	1 194
1974-75	895	299	3 977	5 171	3 510	506	22	1 133
1975-76	741	392	4 480	5 613	3 624	477	281	1 231
1976-77	802	429	4 831	6 062	3 753	487	494	1 328
1977-78	1 033	295	4 283	5 611	3 349	497	90	1 675
1978-79	1 203	472	3 568	5 243	3 305	401	17	1 520
1979-80	1 103	417	2 879	4 399	2 961	444	103	891
1980-81	702	189	2 911	3 802	2 611	385	46	760
1981-82	610	150	3 188	3 948	2 655	387	51	855
1982-83	640	215	3 637	4 492	2 916	301	105	1 170
1983-84	995	175	2 773	3 943	2 790	335	123	695
1984-85	570	125	2 670	3 365	2 431	296	19	619
1985-86	495	124	2 736	3 355	2 306	229	44	776
1986-87	605	171	3 251	4 027	2 504	227	257	1 039
1987-88 <sup>3</sup>	895	144	2 995	4 044				

<sup>1</sup> Source: Statistics Canada.

<sup>2</sup> Source: Statistics Canada "Grain Trade of Canada". Includes rolled oats, oatmeal and seed oats.

<sup>3</sup> A residual item. Farm disappearance is computed by adding inward farm carryover and production and deducting therefrom marketings and outward farm carryover. Commercial disappearance is computed by adding inward commercial carryover and marketings and deducting therefrom outward commercial carryover and exports.

<sup>4</sup> Subject to revision.

**TABLE IX**  
**CANADIAN BARLEY SUPPLIES AND DISPOSITION**  
**CROP YEARS 1967-68 TO 1987-88**

Crop Year	Inward Carryover <sup>1</sup>		Production <sup>1</sup>	Total Supplies	Domestic Disappearance <sup>2</sup>		Exports <sup>1</sup>	Total Outward <sup>1</sup> Carryover July 31st
	August 1st	Commercial			Farm	Commercial	000 tonnes	000 tonnes
	Farm 000 tonnes	000 tonnes	000 tonnes	000 tonnes	000 tonnes	000 tonnes		
1967-68	1 459	1 410	5 505	8 374	3 499	1 123	902	2 850
1968-69	1 552	1 298	7 099	9 949	3 876	1 200	575	4 298
1969-70	2 972	1 325	8 084	12 381	4 602	1 391	1 923	4 465
1970-71	2 765	1 700	8 889	13 354	5 158	1 145	3 910	3 141
1971-72	1 342	1 799	13 098	16 239	6 121	1 270	5 020	3 828
1972-73	1 872	1 956	11 284	15 112	6 081	1 231	3 598	4 202
1973-74	1 915	2 287	10 218	14 420	5 576	1 531	2 776	4 537
1974-75	1 436	3 101	8 790	13 327	4 557	1 653	3 013	4 104
1975-76	1 110	2 994	9 510	13 614	4 837	1 688	4 326	2 763
1976-77	1 088	1 675	10 513	13 276	4 634	1 641	3 783	3 218
1977-78	1 132	2 086	11 802	15 020	4 582	1 690	3 540	5 208
1978-79	3 113	2 095	10 397	15 605	4 943	1 967	3 800	4 895
1979-80	3 200	1 695	8 478	13 373	5 139	2 142	4 086	2 006
1980-81	1 100	906	11 394	13 400	4 899	1 777	3 521	3 203
1981-82	1 140	2 063	13 724	16 927	5 370	1 424	6 002	4 131
1982-83	1 950	2 181	13 965	18 096	5 631	1 688	5 648	5 129
1983-84	3 225	1 904	10 209	15 338	5 656	2 174	5 537	1 971
1984-85	1 080	891	10 296	12 267	5 434	1 896	2 781	2 156
1985-86	865	1 291	12 387	14 543	5 713	1 731	3 795	3 304
1986-87	1 095	2 209	14 634	17 938	6 616	1 342	6 718	3 202
1987-88 <sup>3</sup>	1 660	1 602	14 382	17 504				

<sup>1</sup> Source: Statistics Canada "Grain Trade of Canada". Includes export barley and pot and pearl barley.

<sup>2</sup> A residual item. Farm disappearance is computed by adding inward farm carryover and production and deducting therefrom marketings and outward farm carryover. Commercial disappearance is computed by adding inward commercial carryover and marketings and deducting therefrom outward commercial carryover and exports.

<sup>3</sup> Subject to revision.

**TABLE X**  
**CANADIAN GRAIN STORAGE POSITION 1968 TO 1987**  
**VISIBLE STOCKS OF PRINCIPAL GRAINS AS AT JULY 31ST<sup>1</sup>**

Year	Wheat	Oats	Barley	Rye	Flaxseed	Canola	U.S. and	Total	Total
	000 tonnes	000 tonnes	000 tonnes	000 tonnes	000 tonnes	000 tonnes	Grain 000 tonnes	000 tonnes	Capacity <sup>2,3</sup>
1968	11 689	339	1 298	141	104	170	209	13 950	18 982
1969	13 053	527	1 326	93	104	99	219	15 421	19 050
1970	12 682	283	1 700	151	136	79	284	15 315	19 051
1971	9 235	528	1 799	192	409	246	143	12 552	18 885
1972	7 410	344	1 956	261	255	609	206	11 041	18 318
1973	6 815	226	2 287	221	180	460	389	10 578	17 986
1974	7 884	299	3 101	203	163	247	313	12 210	17 626
1975	6 405	392	2 994	251	155	309	124	10 630	17 868
1976	6 401	429	1 675	223	330	697	142	9 897	17 518
1977	6 160	295	2 086	289	186	174	128	9 318	16 974
1978	7 108	472	2 095	212	367	291	201	10 746	16 858
1979	5 957	417	1 695	248	244	819	255	9 635	16 748
1980	6 448	189	906	279	440	1 137	349	9 748	16 631
1981	6 925	150	2 063	169	228	924	213	10 672	16 353
1982	6 154	215	2 181	231	221	621	176	9 799	16 071
1983	7 883	175	1 904	431	347	446	117	11 303	15 739
1984	7 358	125	891	326	130	105	83	9 018	15 533
1985	6 412	124	1 291	233	119	375	105	8 659	15 503
1986	7 702	171	2 209	142	207	675	39	11 145	15 281
1987 <sup>4</sup>	7 597	144	1 602	165	259	449	41	10 257	15 150

<sup>1</sup> Includes stocks in unlicensed mills and any stocks in licensed mills which have been transferred from elevator storage proper to mill or feed plants for processing.

<sup>2</sup> For all years the quantities indicate the capacity as at July 31st and include only licensed capacity.

<sup>3</sup> Metric tonnes expressed in wheat equivalent.

<sup>4</sup> Subject to revision.





**TABLE XI**  
**EXPORTS OF CANADIAN GRAIN AND GRAIN PRODUCTS**  
**CROP YEARS 1962-63 TO 1986-87**

Crop Year	Wheat <sup>1</sup> 000 tonnes	Oats and Oat Flour <sup>2</sup> 000 tonnes	Barley and Barley Products 000 tonnes	Products 000 tonnes	Rye 000 tonnes	Flaxseed <sup>3</sup> 000 tonnes	Canola <sup>4</sup> 000 tonnes	Corn 000 tonnes	Total 000 tonnes
1962-63	8 276	742	335	335	186	330	130	1	10 000
1963-64	14 687	1 494	289	1 022	140	362	121	2	17 000
1964-65	10 017	858	240	806	123	398	210	3	14 500
1965-66	14 881	1 038	246	828	204	495	309	4	17 500
1966-67	13 157	867	74	1 275	253	433	313	5	16 000
1967-68	8 473	672	55	901	121	349	279	6	12 500
1968-69	7 653	670	42	575	108	355	325	7	11 500
1969-70	8 696	734	80	1 923	97	500	504	8	12 500
1970-71	11 169	676	206	3 910	227	571	1 062	9	16 500
1971-72	13 047	673	161	5 020	273	692	966	10	19 500
1972-73	15 057	636	107	3 598	209	529	1 226	21	21 500
1973-74	10 902	543	13	2 776	116	400	1 063	5	15 800
1974-75	10 229	550	22	3 013	123	273	664	4	14 800
1975-76	11 637	699	281	4 326	299	212	820	23	17 500
1976-77	12 711	725	494	3 783	168	369	1 449	180	19 500
1977-78	15 246	794	90	3 540	271	282	1 476	323	21 500
1978-79	12 302	782	17	3 800	154	514	2 287	192	19 500
1979-80	15 215	674	103	4 086	397	475	2 420	344	21 500
1980-81	15 569	693	46	3 521	446	607	2 212	1 051	21 500
1981-82	17 973	474	51	6 002	561	481	2 040	1 281	23 500
1982-83	20 956	411	105	5 648	313	471	1 752	511	25 500
1983-84	21 285	480	122	5 536	747	629	2 460	429	27 500
1984-85	17 113	470	19	2 781	376	564	2 590	569	24 500
1985-86	17 354	372	44	3 794	276	626	2 365	490	24 500
1986-87 <sup>5</sup>	20 353	430	257	6 718	166	685	3 645	113	29 500

<sup>1</sup> Wheat exports include bagged Seed Wheat.

<sup>2</sup> Wheat equivalent.

<sup>3</sup> Flaxseed exports include Linseed Oil for all years and Linseed Oil and Meal from 1979-80.

<sup>4</sup> Canola exports for the years 1964-65 to 1972-73 do not include Canola Oil exports. The years 1962-63 and 1963-64 include Canola Oil exports. The years 1973-74 onward include Canola Oil and Canola Meal exports.

<sup>5</sup> Subject to revision.

Source: Canadian Grain Commission "Canadian Grain Exports" for 1986-87.

All previous years — Statistics Canada "Grain Trade of Canada".

**TABLE XII**  
**CANADIAN WHEAT (INCLUDING DURUM) EXPORTS BY AREAS AND COUNTRIES**  
**CROP YEARS 1977-78 TO 1986-87**

Country	1977-78 000 tonnes	1978-79 000 tonnes	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes
<b>WESTERN EUROPE:</b>										
EEC:										
Belgium and Luxembourg	71	36	12	—	16	23	10	127	100	91
Denmark	—	1	1	—	—	—	1	1	1	—
France	81	62	4	12	88	107	199	104	58	1
Germany, Federal Republic	66	15	12	1	18	1	26	3	3	21
Ireland	—	—	—	—	1	—	1	1	—	—
Italy	894	544	723	765	515	624	742	240	367	634
Malta	—	—	—	—	—	—	—	—	—	36
Netherlands	221	62	70	22	38	17	103	107	78	72
Portugal*	—	—	—	—	—	—	—	—	149	269
United Kingdom	1 526	1 312	1 361	1 409	1 366	1 109	955	633	702	503
TOTAL EEC	2 859	2 032	2 183	2 209	2 042	1 881	2 037	1 216	1 458	1 627
<b>OTHER WESTERN EUROPE:</b>										
Finland	6	88	9	6	29	—	—	7	—	—
Norway	67	67	137	10	57	70	148	62	68	89
Portugal*	57	39	43	17	—	—	—	—	—	—
Spain	26	54	—	51	—	—	—	—	—	—
Sweden	1	4	1	—	—	2	—	4	2	—
Switzerland	77	63	71	54	49	109	49	9	—	—
TOTAL OTHER	—	—	—	—	—	—	—	—	—	—
WESTERN EUROPE:	234	315	261	138	135	181	197	82	70	89
<b>EASTERN EUROPE:</b>										
Bulgaria	—	—	—	—	—	—	—	—	216	153
Czechoslovakia	—	—	6	—	14	5	5	5	—	11
Germany, People's Rep. of	32	74	10	67	—	308	73	170	48	199
Poland	686	583	1 487	1 091	1 674	622	52	91	22	31
U.S.S.R.	2 146	1 429	2 579	3 971	5 019	6 959	6 761	6 019	5 219	5 391
Yugoslavia	88	—	127	—	—	—	—	—	—	—
TOTAL EASTERN EUROPE:	2 952	2 086	4 209	5 129	6 707	7 894	6 891	6 285	5 505	5 785
TOTAL EUROPE:	6 045	4 433	6 653	7 476	8 884	9 956	9 125	7 583	7 033	7 501
<b>AFRICA:</b>										
Algeria	462	335	598	654	590	512	813	508	492	448
Benin	—	—	1	—	—	—	—	—	—	—
Canary Islands	—	—	—	—	—	—	—	—	—	14
Chad	—	—	—	—	—	—	7	5	—	—
Ethiopia	86	15	51	81	45	92	49	128	93	91
Ghana	104	76	98	25	45	24	63	37	66	40
Ivory Coast	—	—	—	—	1	—	—	—	—	—
Kenya	—	—	—	—	16	—	—	39	—	2
Lesotho	—	—	—	—	—	—	—	—	—	16
Libya	—	—	28	81	291	110	93	124	174	136
Mali	—	—	—	—	—	13	—	—	—	10
Mauritania	8	10	—	2	—	4	11	11	10	—
Morocco	275	100	129	12	15	—	—	—	—	—
Mozambique	11	11	—	5	16	25	14	21	7	21
Niger	—	—	—	—	2	4	—	2	—	—
Nigeria	3	20	28	—	—	21	66	—	133	—
Rwanda	—	1	—	—	—	1	14	—	—	—
Senegal	10	2	6	8	9	13	10	9	8	21
Somalia	—	—	—	—	7	—	—	—	—	—
South Africa	—	—	—	—	—	—	—	—	55	—
Sudan	—	—	7	—	—	—	2	4	5	3
Tanzania	34	38	—	10	13	—	13	10	—	12
Togo	5	3	8	—	—	21	23	7	8	14
Tunisia	41	73	49	23	10	—	—	—	—	25
Uganda	—	—	8	—	—	9	1	—	—	6
Upper Volta	—	—	—	—	—	3	2	—	—	—
Zaire	—	1	—	—	—	—	—	—	—	—
Zambia	—	—	17	—	—	—	—	12	10	16
Zimbabwe	—	—	3	—	—	—	17	17	—	11
TOTAL AFRICA	1 039	685	1 031	901	1 060	852	1 184	934	1 061	886



Country	1977-78 000 tonnes	1978-79 000 tonnes	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes
<b>MIDDLE EAST:</b>										
Arab Rep. of Egypt	409	117	—	—	316	23	662	450	464	208
Cyprus	8	—	—	—	—	—	32	14	—	20
Iran	—	—	110	96	73	107	488	41	61	128
Iraq	233	102	428	453	258	280	608	367	347	691
Israel	1	—	—	—	—	—	18	99	25	95
Lebanon	105	221	75	119	91	158	—	—	6	—
Saudi Arabia	—	—	—	—	—	26	—	—	—	—
Syria	281	—	20	—	—	242	260	529	—	—
Turkey	—	—	—	—	—	—	—	—	89	—
Yemen, P.D.R.	8	1	—	6	—	24	—	108	—	—
<b>TOTAL MIDDLE EAST:</b>	<b>1 045</b>	<b>441</b>	<b>633</b>	<b>674</b>	<b>738</b>	<b>860</b>	<b>2 068</b>	<b>1 608</b>	<b>992</b>	<b>1 142</b>
<b>ASIA:</b>										
Afghanistan	34	13	21	—	—	—	—	—	—	—
Bangladesh	222	337	428	134	264	312	476	65	536	358
China, People's Rep. of	3 469	3 102	2 516	2 879	3 101	4 424	3 428	2 780	2 558	4 065
Hong Kong	30	34	37	16	9	6	13	13	9	11
India	—	—	—	40	91	7	513	5	—	—
Indonesia	—	—	24	—	32	224	201	200	333	189
Japan	1 419	1 226	1 336	1 381	1 367	1 341	1 325	1 323	1 272	1 349
Korea, Dem. People's Republic	—	—	—	—	—	—	—	—	—	20
Korea, South	—	—	—	—	—	—	6	—	472	1 173
Malaysia	3	20	10	10	—	5	—	72	9	57
Nepal	—	—	13	1	—	—	—	—	—	—
Pakistan	89	150	34	6	54	29	58	33	41	51
Philippines	—	—	27	—	—	—	—	—	21	100
Singapore	23	4	—	—	—	46	—	—	—	21
Sri Lanka	—	—	—	—	21	98	124	100	108	54
Taiwan	—	—	79	—	28	85	84	81	108	55
Viet-Nam	118	22	—	—	—	—	—	—	—	—
<b>TOTAL ASIA:</b>	<b>5 407</b>	<b>4 908</b>	<b>4 525</b>	<b>4 467</b>	<b>4 967</b>	<b>6 577</b>	<b>6 228</b>	<b>4 672</b>	<b>5 467</b>	<b>7 503</b>
<b>WESTERN HEMISPHERE:</b>										
Barbados	1	4	4	—	5	—	2	—	—	—
Belize	—	—	—	—	—	1	—	—	—	—
Bolivia	—	—	—	—	—	—	12	—	—	20
Brazil	782	948	1 270	1 284	1 314	1 503	1 362	1 145	986	780
Chile	75	—	—	—	24	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	57	190
Costa Rica	—	—	—	—	4	—	—	—	—	—
Cuba	496	523	866	656	730	878	772	598	1 029	1 075
Dominican Republic	3	—	—	—	—	—	—	—	—	—
El Salvador	—	—	—	—	—	—	2	—	—	—
Haiti Republic	71	38	33	37	20	—	—	25	—	—
Honduras	—	—	—	—	—	—	1	4	4	—
Jamaica	30	51	62	45	31	23	22	24	39	38
Mexico	91	21	71	27	154	189	276	—	—	258
Nicaragua	—	—	—	—	18	—	48	—	—	10
Panama	—	—	—	—	—	—	—	—	—	—
Peru	78	124	48	—	8	—	49	26	47	344
St. Lucia	—	—	—	—	—	—	—	—	2	1
St. Vincent	16	21	4	—	—	—	—	—	—	—
Trinidad & Tobago	60	87	8	—	—	—	—	—	—	—
United States	—	—	—	—	—	115	63	159	274	406
Uruguay	—	—	—	—	—	—	—	—	—	46
Venezuela	—	15	4	—	15	—	69	294	320	150
<b>TOTAL</b>	<b>1 703</b>	<b>1 832</b>	<b>2 370</b>	<b>2 049</b>	<b>2 323</b>	<b>2 711</b>	<b>2 678</b>	<b>2 275</b>	<b>2 758</b>	<b>3 319</b>
<b>WESTERN HEMISPHERE:</b>	<b>1 703</b>	<b>1 832</b>	<b>2 370</b>	<b>2 049</b>	<b>2 323</b>	<b>2 711</b>	<b>2 678</b>	<b>2 275</b>	<b>2 758</b>	<b>3 319</b>
<b>TOTAL BULK WHEAT:</b>	<b>15 239</b>	<b>12 299</b>	<b>15 212</b>	<b>15 567</b>	<b>17 972</b>	<b>20 956</b>	<b>21 283</b>	<b>17 072</b>	<b>17 311</b>	<b>20 351</b>
<b>BAGGED SEED WHEAT:</b>	<b>7</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>42</b>	<b>43</b>	<b>2</b>
<b>GRAND TOTAL:</b>	<b>15 246</b>	<b>12 302</b>	<b>15 215</b>	<b>15 569</b>	<b>17 973</b>	<b>20 957</b>	<b>21 284</b>	<b>17 114</b>	<b>17 354</b>	<b>20 353</b>

<sup>1</sup> Subject to revision.

\* Portugal joined EEC during 1985-86.

Source: Canadian Grain Commission "Canada Grain Exports" for 1986-87.

All previous years — Statistics Canada "Grain Trade of Canada".



**TABLE XIII**  
**CANADIAN WHEAT FLOUR EXPORTS BY AREAS AND COUNTRIES**  
**CROP YEARS 1977-78 TO 1986-87**

Country	1977-78 000 tonnes	1978-79 000 tonnes	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes
WESTERN EUROPE:										
EEC	—	—	—	2	1	1	1	1	1	1
Other Western Europe	5	4	4	4	4	3	3	4	7	7
TOTAL WESTERN EUROPE:	5	4	4	6	5	4	4	5	8	8
EASTERN EUROPE:	2	—	—	248	—	—	—	—	—	—
TOTAL EUROPE:	7	4	4	254	5	4	4	5	8	8
AFRICA:										
Arab Republic of Egypt	42	38	31	12	32	26	23	18	18	18
Algeria	—	2	7	11	5	5	—	—	—	—
Others	9	9	10	16	48	41	30	87	95	95
TOTAL AFRICA:	51	49	48	39	85	72	53	105	113	113
MIDDLE EAST:	29	36	27	10	25	21	8	61	27	27
ASIA:										
China, People's Republic of	—	—	—	—	—	—	86	64	56	56
Korea, South	48	31	2	17	—	51	—	—	—	—
Singapore	—	—	—	—	—	—	—	—	12	12
Sri Lanka	27	51	3	—	—	—	—	—	—	—
Thailand	1	1	1	1	1	1	1	—	—	—
Viet-Nam	98	49	42	—	—	—	—	—	—	—
Yemen, P.D.R.	—	—	—	—	—	—	—	—	10	10
Others	9	4	5	3	2	1	1	2	2	2
TOTAL ASIA:	183	136	53	21	3	53	88	66	80	80
WESTERN HEMISPHERE:										
Bahamas	5	4	5	4	4	5	5	5	5	5
Barbados	5	6	3	3	3	3	3	3	2	2
Bermuda	3	3	4	4	3	3	2	1	1	1
Colombia	—	—	—	—	—	—	—	—	8	8
Cuba	493	509	471	326	320	223	281	181	108	108
Haiti Republic	—	8	35	11	1	2	2	1	—	—
Jamaica	3	16	3	4	6	2	3	1	1	1
Leeward & Windward Islands	9	3	3	2	2	2	2	1	1	1
Paraguay	—	—	—	—	—	—	—	—	2	2
Trinidad & Tobago	3	2	2	3	3	2	5	4	4	4
United States	1	2	2	7	8	12	7	10	7	7
Others	2	4	13	6	6	7	16	25	5	5
TOTAL WESTERN HEMISPHERE:	524	557	541	370	356	261	326	232	144	144
GRAND TOTAL:	794	782	673	694	474	411	479	469	372	372

<sup>1</sup> Subject to revision.

Source: Statistics Canada.





# **TABLE XIV** **CANADIAN DURUM WHEAT EXPORTS BY AREAS AND COUNTRIES** **FOR YEARS 1977-78 TO 1986-87**

Country	1977-78 000 tonnes	1978-79 000 tonnes	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes
<b>WESTERN EUROPE:</b>										
Belgium and Luxembourg	—	4	6	—	13	—	—	36	10	14
Denmark	—	1	1	—	—	—	—	—	—	—
France	75	62	—	12	88	99	199	104	58	—
Germany, Federal Republic of	14	15	—	1	18	—	17	2	—	12
Italy	—	—	—	—	1	—	—	1	—	—
Netherlands	762	376	628	526	423	525	504	182	255	487
Portugal	—	—	—	—	—	—	—	—	—	36
Sweden	97	58	47	13	24	12	86	24	1	26
United Kingdom	32	7	7	12	5	2	2	4	8	5
<b>TOTAL EEC:</b>	980	523	689	564	572	638	—	—	—	—
<b>OTHER WESTERN EUROPE:</b>										
Ireland	—	—	—	3	—	—	—	—	—	—
Spain	2	6	6	10	—	11	13	6	11	—
Switzerland	—	14	29	17	—	—	—	—	—	—
Austria	26	40	—	51	—	—	—	—	—	—
Sweden	1	4	1	—	—	1	—	3	—	—
Norway	20	16	21	24	27	44	16	2	—	—
<b>TOTAL OTHER</b>	—	—	—	—	—	—	—	—	—	—
<b>WESTERN EUROPE:</b>	49	80	57	105	27	56	—	—	—	—
<b>OTHER EUROPE:</b>										
Yugoslavia	—	—	6	—	14	5	5	5	—	11
Poland, People's Republic of	—	—	10	32	—	26	51	50	48	41
Czech Republic	14	100	255	93	112	59	52	25	—	—
U.S.S.R.	396	222	254	496	860	1 204	555	533	254	498
<b>TOTAL OTHER EUROPE:</b>	410	322	525	621	986	1 294	—	—	—	—
<b>TOTAL EUROPE:</b>	1 439	925	1 271	1 290	1 585	1 988	—	—	—	—
<b>AFRICA:</b>										
Algeria	462	336	595	654	589	512	813	508	492	423
Egypt	—	—	10	24	52	47	93	103	108	136
Libya	—	—	—	2	—	4	8	11	10	—
Morocco	41	73	38	23	—	—	—	—	—	—
<b>TOTAL AFRICA:</b>	503	409	643	703	641	563	—	—	—	—
<b>MIDDLE EAST:</b>										
Iran	—	—	—	—	—	—	—	52	—	—
Israel	1	—	—	—	—	—	—	—	—	9
<b>TOTAL MIDDLE EAST:</b>	1	—	—	—	—	—	—	—	—	—
<b>ASIA:</b>										
Bangladesh	7	—	5	—	—	—	—	—	—	—
Japan	—	—	—	48	32	77	60	61	18	26
South Korea	—	—	—	—	—	—	—	—	—	26
<b>TOTAL ASIA:</b>	7	—	5	48	32	77	—	—	—	—
<b>OTHER HEMISPHERE:</b>										
Costa Rica	—	—	—	—	4	—	—	—	—	—
Guatemala	18	16	25	34	44	59	52	59	63	58
United States	—	—	—	—	—	—	3	—	—	—
Venezuela	—	—	4	—	4	—	16	48	49	38
<b>TOTAL OTHER HEMISPHERE:</b>	18	16	29	34	52	59	—	—	—	—
<b>AND TOTAL:</b>	1 968	1 350	1 948	2 075	2 310	2 687	—	—	—	—

Subject to revision.  
Source: Canadian Grain Commission for 1986-87.  
All previous years — Statistics Canada "Grain Trade of Canada".

**TABLE XV**  
**CANADIAN BARLEY EXPORTS BY AREAS AND COUNTRIES**  
**CROP YEARS 1977-78 TO 1986-87**

Country	1977-78 000 tonnes	1978-79 000 tonnes	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 <sup>1</sup> 000 tonnes
<b>WESTERN EUROPE:</b>										
EEC:										
Belgium and Luxembourg	94	—	—	—	121	481	708	—	—	—
France	—	—	—	—	—	—	22	—	—	—
Germany, Federal Rep.	206	100	53	—	—	51	20	—	—	—
Greece	26	—	—	—	—	—	—	—	—	—
Italy	630	425	582	344	417	310	126	—	—	32
Malta	—	—	9	—	—	—	—	—	—	—
Netherlands	31	—	—	1	—	—	63	—	—	—
Portugal*	—	—	—	—	—	—	—	—	58	45
Spain	—	—	—	—	235	410	102	—	—	32
United Kingdom	58	72	24	10	3	—	—	2	—	—
TOTAL EEC:	1 045	597	668	355	776	1 252	1 041	2	58	109
<b>OTHER WESTERN EUROPE:</b>										
Finland	—	—	—	—	111	—	—	—	—	—
Iceland	—	4	4	3	1	—	—	—	—	—
Portugal*	—	—	—	—	—	—	5	—	—	—
TOTAL OTHER WESTERN EUROPE:	—	4	4	3	112	—	5	—	—	—
<b>EASTERN EUROPE:</b>										
Bulgaria	—	31	—	—	—	—	—	—	180	—
Germany, People's Republic of	—	246	—	—	103	600	1 123	798	571	467
Hungary	—	32	—	—	—	—	—	—	—	—
Poland	595	570	383	147	—	—	105	—	—	—
Romania	15	226	—	—	—	—	67	—	87	284
U.S.S.R.	166	126	872	1 573	2 780	1 526	472	410	439	2 149
TOTAL EASTERN EUROPE:	776	1 231	1 255	1 720	2 883	2 126	1 767	1 208	1 277	2 900
TOTAL EUROPE:	1 821	1 832	1 927	2 078	3 771	3 378	2 813	1 210	1 335	3 009
<b>AFRICA:</b>										
Algeria	109	80	138	—	36	—	—	—	—	—
Morocco	21	—	—	—	4	—	—	—	—	—
Tunisia	—	21	—	—	—	—	—	—	—	—
TOTAL AFRICA:	130	101	138	—	40	—	—	—	—	—
<b>MIDDLE EAST:</b>										
Cyprus	20	63	93	—	45	61	58	—	—	69
Iran	184	154	23	—	80	92	209	—	—	—
Iraq	—	16	59	—	—	101	197	135	—	—
Israel	116	235	239	124	209	252	256	187	145	198
Jordan	—	—	23	—	—	8	—	—	—	26
Kuwait	—	—	32	—	—	—	—	—	—	—
Lebanon	9	15	43	—	15	—	—	—	—	—
Saudi Arabia	—	—	57	—	89	—	31	—	899	1 941
Syria	—	—	103	—	—	—	98	—	—	—
Turkey	—	—	—	—	—	—	188	—	—	—
TOTAL MIDDLE EAST:	329	483	672	124	438	514	1 037	322	1 044	2 234
<b>ASIA:</b>										
China, People's Republic of	—	—	—	—	77	83	26	—	213	285
Japan	841	873	789	805	914	970	820	735	839	731
Korea, South	—	—	—	—	—	—	5	—	—	—
Philippines	—	—	—	—	—	—	—	—	—	13
Singapore	—	—	—	—	—	—	262	140	—	—
Taiwan	—	—	—	—	118	83	—	—	—	—
TOTAL ASIA:	841	873	789	805	1 109	1 136	1 113	875	1 052	1 029
<b>WESTERN HEMISPHERE:</b>										
Colombia	72	78	91	47	86	101	115	—	—	90
Cuba	38	31	47	60	53	42	40	36	43	33
Ecuador	—	7	—	—	—	—	—	—	—	21
Mexico	—	—	—	—	—	22	63	83	22	—
Peru	19	9	29	11	23	16	13	—	—	—
United States	99	140	138	111	202	121	74	78	96	118
TOTAL WESTERN HEMISPHERE:	228	265	305	229	364	302	305	197	161	262
TOTAL BARLEY:	3 349	3 554	3 831	3 236	5 722	5 330	5 268	2 604	3 592	6 534
MALT (Barley Equivalent):	191	246	254	285	280	318	269	177	203	185
GRAND TOTAL:	3 540	3 800	4 085	3 521	6 002	5 648	5 537	2 781	3 795	6 719

<sup>1</sup> Subject to revision.

\* Portugal joined EEC during 1985-86.

Source: Canadian Grain Commission "Canada Grain Exports" for 1986-87.  
All previous years — Statistics Canada "Grain Trade of Canada".



**TABLE XVI**  
**CANADIAN OATS EXPORTS BY AREAS AND COUNTRIES**  
**CROP YEARS 1977-78 TO 1986-87**

Country	1977-78 000 tonnes	1978-79 000 tonnes	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes
<b>WESTERN EUROPE:</b>										
EEC:										
Belgium and Luxembourg	—	—	—	—	—	—	—	—	—	7
Germany, Federal Rep.	1	—	—	—	—	—	—	—	—	—
Italy	40	—	14	—	—	—	—	—	—	—
Netherlands	2	1	12	—	—	3	—	—	—	6
TOTAL EEC:	43	1	26	—	—	3	—	—	—	13
<b>OTHER WESTERN EUROPE:</b>										
Switzerland	—	3	—	—	—	3	—	—	—	—
TOTAL OTHER WESTERN EUROPE:	—	3	—	—	—	3	—	—	—	—
<b>EASTERN EUROPE:</b>										
Poland	—	—	47	41	3	—	—	—	—	—
U.S.S.R.	—	—	—	—	16	—	—	—	—	—
TOTAL EASTERN EUROPE:	—	—	47	41	19	—	—	—	—	—
<b>TOTAL EUROPE:</b>	43	4	73	41	19	6	—	—	—	—
<b>ASIA:</b>										
Japan	—	—	—	—	—	2	3	—	3	7
TOTAL ASIA:	—	—	—	—	—	2	3	—	—	—
<b>WESTERN HEMISPHERE:</b>										
Cuba	29	9	26	2	11	14	1	—	—	—
Peru	3	—	—	—	—	—	—	—	—	—
United States	11	—	2	—	17	82	117	18	40	235
Venezuela	3	—	—	1	—	—	—	—	—	—
TOTAL WESTERN HEMISPHERE:	46	9	28	3	28	96	118	18	40	235
<b>SUB-TOTALS, ALL COUNTRIES:</b>	89	13	101	44	47	104	121	18	43	257
<b>SEED OATS:</b>	1	2	1	1	3	—	1	—	—	1
<b>OATMEAL AND ROLLED OATS</b> <b>(Oats Equivalent):</b>	—	2	3	—	—	1	—	1	1	1
<b>TOTALS, ALL COUNTRIES:</b>	90	17	105	45	50	105	122	19	44	257

<sup>1</sup> Subject to revision.

Source: Canadian Grain Commission "Canada Grain Exports" for 1986-87.  
All previous years — Statistics Canada "Grain Trade of Canada".



**TABLE XVII**  
**OVERSEAS<sup>1</sup> CLEARANCES OF CANADIAN BULK GRAIN<sup>2</sup> BY PORT AREAS**  
**CROP YEARS 1966-67 TO 1986-87**

Crop Year	Atlantic Coast 000 tonnes	St. Lawrence 000 tonnes	Lakehead Direct <sup>3</sup> 000 tonnes	Churchill 000 tonnes	Pacific Coast 000 tonnes	Total 000 tonnes
1966-67	896	6 813	794	572	6 038	15 113
1967-68	423	3 271	569	586	5 025	9 874
1968-69	577	2 238	316	615	4 954	8 700
1969-70	882	4 495	239	598	5 090	11 304
1970-71	818	7 681	912	637	6 660	16 708
1971-72	940	8 968	1 070	667	7 947	19 592
1972-73	942	8 653	907	638	9 036	20 176
1973-74	594	6 473	497	462	6 494	14 520
1974-75	788	6 230	816	498	5 381	13 713
1975-76	865	8 437	555	518	6 535	16 910
1976-77	792	8 144	1 050	735	7 348	18 069
1977-78	806	9 234	930	692	8 439	20 101
1978-79	575	7 946	742	495	8 303	18 061
1979-80	801	9 844	1 267	523	9 144	21 579
1980-81	730	9 638	826	289	9 547	21 030
1981-82	862	11 909	954	438	11 625	25 788
1982-83	657	14 944	782	557	11 521	28 461
1983-84	760	14 376	1 306	621	12 507	29 570
1984-85	450	9 707	1 047	437	10 617	22 258
1985-86	616	9 040	724	391	12 150	22 921
1986-87 <sup>4</sup>	552	11 125	1 105	558	15 966	29 306

<sup>1</sup> To all countries except the U.S.A.

<sup>2</sup> Wheat (excluding bagged seed wheat), oats, barley, rye, flaxseed and rapeseed.

<sup>3</sup> Includes shipments from ports along the Great Lakes.

<sup>4</sup> Subject to revision.

Source: Canadian Grain Commission "Canadian Grain Exports" for 1986-87.

All previous years — Statistics Canada "Grain Trade of Canada".



**TABLE XVIII**  
**WHEAT PRODUCTION IN THE MAJOR PRODUCING COUNTRIES**  
**CROP YEARS 1972-73 TO 1986-87**

Crop Year	Canada 000 tonnes	Argentina 000 tonnes	Australia 000 tonnes	United States 000 tonnes	EEC <sup>1</sup> 000 tonnes	China 000 tonnes
1972-73	14 514	7 900	6 590	42 081	43 282	35 985
1973-74	16 162	6 560	11 987	46 560	47 515	35 225
1974-75	13 304	5 970	11 357	48 496	52 567	40 865
1975-76	17 081	8 570	11 982	57 885	44 987	45 310
1976-77	23 587	11 000	11 800	58 480	46 672	50 385
1977-78	19 858	5 300	9 370	55 670	44 312	41 075
1978-79	21 136	8 100	18 090	48 322	55 354	53 840
1979-80	17 196	8 100	16 188	58 080	53 160	62 730
1980-81	19 292	7 780	10 856	64 798	61 453	55 210
1981-82	24 803	8 300	16 360	75 805	58 006	59 640
1982-83	26 737	15 000	8 876	75 250	64 789	68 420
1983-84	26 505	13 000	21 903	65 829	64 011	81 390
1984-85	21 199	13 600	18 666	70 618	82 624	87 820
1985-86	24 252	8 700	16 167	66 001	71 248	85 810
1986-87 <sup>2</sup>	31 378	8 858	16 128	56 925	71 965	90 300
Crop Year	India 000 tonnes	Turkey 000 tonnes	U.S.S.R. 000 tonnes	Pakistan 000 tonnes	Others 000 tonnes	Total 000 tonnes
1972-73	26 410	12 200	85 993	6 579	66 566	348 100
1973-74	24 735	10 000	109 784	7 443	59 829	375 800
1974-75	21 778	11 000	83 913	7 629	66 921	363 800
1975-76	24 235	14 750	66 224	7 673	60 503	359 200
1976-77	28 846	16 500	96 882	8 691	72 157	425 000
1977-78	29 010	16 650	92 161	9 144	63 850	386 400
1978-79	31 749	16 700	120 936	8 367	68 406	451 000
1979-80	35 508	17 500	90 207	9 950	60 181	428 800
1980-81	31 564	16 600	98 182	10 805	68 760	445 300
1981-82	36 313	17 000	81 000	11 475	65 598	454 300
1982-83	37 452	17 500	84 300	11 304	72 472	482 100
1983-84	42 794	16 438	77 500	12 414	72 520	494 304
1984-85	45 476	17 235	68 600	10 882	79 980	516 700
1985-86	44 069	17 032	78 100	11 703	81 918	505 000
1986-87 <sup>2</sup>	46 885	19 000	92 300	13 923	87 138	534 800

<sup>1</sup>Ten Member States.

<sup>2</sup>Preliminary — subject to revision.

Source: For Canada — Statistics Canada.

United States — "Crop Production Summary", USDA, January 1988.

For all other countries — IWC "World Wheat Statistics".



**TABLE XIX**

**COARSE GRAIN<sup>1</sup> PRODUCTION IN THE MAJOR EXPORTING COUNTRIES<sup>2</sup>  
CROP YEARS 1978-79 TO 1986-87**

Countries	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1986-86	1986-87 <sup>3</sup>
	(million of tonnes)								
Canada:									
Barley	10.4	8.5	11.4	13.7	14.1	10.2	10.3	12.4	14.6
Oats	3.6	2.9	2.9	3.2	3.7	2.8	2.7	2.7	3.3
Corn	4.5	5.3	5.7	6.7	6.5	5.9	7.0	7.0	5.9
Rye	0.6	0.5	0.5	0.9	0.9	0.8	0.7	0.6	0.6
Mixed Grain	1.6	1.7	1.6	1.5	1.5	1.2	1.3	1.4	1.1
Total	20.7	18.9	22.1	26.0	26.7	20.9	22.0	24.1	25.5
United States	222.1	238.7	198.3	246.6	250.7	137.1	237.7	274.9	252.9
Australia	7.1	6.2	5.2	6.7	3.9	9.4	8.6	7.9	6.7
Argentina	17.3	10.6	21.0	18.4	17.8	17.1	18.9	17.1	12.9
South Africa	8.8	11.7	15.3	8.8	4.5	5.1	9.0	8.9	8.6
Thailand	3.0	3.6	3.5	4.7	3.7	4.3	4.7	5.7	4.4
Western Europe	94.0	91.1	95.0	87.9	93.6	86.1	103.6	101.4	93.6
Eastern Europe	60.5	63.4	61.4	64.5	72.0	66.9	72.8	65.5	73.2
U.S.S.R.	105.3	81.1	80.5	72.0	91.8	101.9	90.5	100.0	105.9
Others	214.8	216.5	229.7	234.3	219.7	238.2	246.0	236.6	249.3
WORLD TOTAL	753.6	741.8	732.0	769.9	784.4	687.0	813.8	842.1	833.0

<sup>1</sup> Includes corn, barley, oats, rye, sorghum, millet and mixed grains.

<sup>2</sup> July-June trade year for 1978-79. From 1979-80 the crop year is October-September for all countries except Canada, which is the August-July crop year.

<sup>3</sup> Subject to revision.

Source: USDA "World Grain Situation and Outlook", December 1987.

For all countries except Canada "Field Crop Reporting Series No. 8".



**TABLE XX**  
**WORLD COARSE GRAIN<sup>1</sup> EXPORTS\***  
**CROP YEARS 1978-79 TO 1986-87**

Countries	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87 <sup>2</sup>
	(million of tonnes)								
Canada:									
Barley	3.6	3.8	3.2	5.7	5.3	5.3	2.6	3.6	
Oats	—	0.1	—	—	0.1	0.1	—	—	
Corn	0.2	0.3	1.1	1.3	0.5	0.4	0.6	0.5	
Rye	0.2	0.4	0.4	0.5	0.3	0.7	0.4	0.3	
Total	4.0	4.6	4.7	7.5	6.2	6.5	3.6	4.4	
United States	56.9	71.4	69.5	58.4	54.0	55.8	55.4	56.4	
Argentina	11.5	5.3	14.2	10.3	11.6	10.9	10.6	11.7	
EEC <sup>3</sup>	5.3	5.0	5.6	4.0	4.2	4.3	8.5	8.0	
Australia	2.6	4.1	2.3	3.1	1.0	5.5	6.4	5.0	
South Africa	2.9	3.5	4.1	4.7	2.3	0.1	0.2	1.5	
Thailand	2.3	2.2	2.4	3.5	2.3	3.3	3.5	4.0	
U.S.S.R.	1.0	—	—	—	—	—	—	—	
Others	3.7	2.7	6.0	5.1	8.0	6.6	12.4	14.1	9.4
WORLD TOTAL	90.2	98.8	108.8	96.6	89.6	93.0	100.6	83.1	83

<sup>1</sup> Includes corn, barley, oats, sorghum, millet, rye, and other grains.

<sup>2</sup> Subject to revision.

<sup>3</sup> Excluding intra-trade between member countries 1979-80 to 1986-87 — Ten member countries through 1981-82 — Twelve members from 1982-83 forward

\* July-June trade year for 1978-1979. From 1979-80 the trade year is October-September for all countries except Canada.

Source: Canada — Canadian Grain Commission "Canadian Grain Exports" for 1986-87.

All previous years — Statistics Canada "Grain Trade of Canada", August-July crop year

United States and other countries — USDA "World Grain Situation and Outlook", December 1987

**TABLE XXI**  
**WORLD IMPORTS OF COARSE GRAINS<sup>1</sup>\***  
**CROP YEARS 1978-79 TO 1986-87**

Countries	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87 <sup>2</sup>
	(million of tonnes)								
EEC <sup>3</sup>	16.0	13.3	11.1	8.3	14.3	12.2	9.6	5.5	
Other Western Europe	7.7	9.4	10.3	12.7	1.6	1.3	1.3	1.1	
Eastern Europe	10.6	11.5	10.2	6.1	4.9	3.9	2.3	4.7	
U.S.S.R.	9.9	13.8	23.5	20.4	11.0	11.9	21.3	11.5	
Japan	17.9	18.3	18.6	17.9	18.7	20.7	20.7	21.6	
Others	28.1	32.5	35.1	31.2	39.2	43.0	58.4	58.7	
WORLD TOTAL	90.2	98.8	108.8	96.6	89.7	93.0	100.6	83.1	83

<sup>1</sup> Includes corn, barley, oats, sorghum, millet, rye, and other grains.

<sup>2</sup> Subject to revision.

<sup>3</sup> Ten member countries to 1981-82 — Twelve members from 1982-83 forward.

\* July-June trade year for 1978-79. From 1979-80 the trade year is October-September.

Source: USDA "World Grain Situation and Outlook", December 1987.

**TABLE XXII**  
**EXPORTS OF WHEAT AND WHEAT FLOUR BY PRINCIPAL EXPORTERS**  
**DISTRIBUTION BY QUANTITY AND PERCENTAGE OF WORLD TRADE TOTAL**  
**JULY-JUNE CROP YEARS<sup>1</sup> 1967-68 TO 1986-87**

Crop Year	Argentina 000 tonnes	Australia 000 tonnes	Canada 000 tonnes	United States 000 tonnes	EEC 000 tonnes	Others 000 tonnes	Total 000 tonnes
1967-68	1 370 ( 2.6%)	7 011 (13.6%)	9 127 (17.7%)	20 494 (39.7%)	4 350 ( 8.4%)	9 305 (18.0%)	51 657 (100.0%)
1968-69	2 785 ( 6.1%)	5 369 (11.8%)	8 305 (18.2%)	15 023 (32.9%)	5 020 (11.0%)	9 097 (20.0%)	45 599 (100.0%)
1969-70	2 108 ( 4.1%)	7 250 (14.1%)	9 380 (18.3%)	16 792 (32.7%)	7 167 (13.9%)	8 695 (16.9%)	51 392 (100.0%)
1970-71	1 704 ( 3.1%)	9 492 (17.3%)	11 819 (21.5%)	20 140 (36.7%)	3 105 ( 5.7%)	8 591 (15.7%)	54 851 (100.0%)
1971-72	1 328 ( 2.5%)	8 736 (16.6%)	13 684 (26.1%)	16 901 (32.2%)	4 656 ( 8.9%)	7 191 (13.7%)	52 496 (100.0%)
1972-73	3 510 ( 5.2%)	5 562 ( 8.2%)	15 681 (23.0%)	31 734 (46.6%)	6 525 ( 9.6%)	5 041 ( 7.4%)	68 053 (100.0%)
1973-74	1 106 ( 1.8%)	5 509 ( 8.7%)	11 436 (18.1%)	31 273 (49.7%)	5 467 ( 8.7%)	8 184 (13.0%)	62 975 (100.0%)
1974-75	2 178 ( 3.5%)	8 049 (12.8%)	10 776 (17.1%)	28 304 (45.0%)	7 122 (11.3%)	6 516 (10.3%)	62 945 (100.0%)
1975-76	3 111 ( 4.6%)	8 072 (12.1%)	12 334 (18.4%)	31 669 (47.4%)	7 729 (11.6%)	3 953 ( 5.9%)	66 868 (100.0%)
1976-77	5 584 ( 9.0%)	8 357 (13.5%)	13 434 (21.6%)	26 080 (42.1%)	3 912 ( 6.3%)	4 643 ( 7.5%)	62 010 (100.0%)
1977-78	2 670 ( 3.7%)	11 144 (15.3%)	16 030 (22.1%)	31 538 (43.5%)	4 479 ( 6.2%)	6 677 ( 9.2%)	72 538 (100.0%)
1978-79	3 307 ( 4.6%)	7 246 (10.2%)	13 081 (18.4%)	32 311 (45.4%)	7 349 (10.3%)	7 906 (11.1%)	71 200 (100.0%)
1979-80	4 748 ( 5.4%)	15 364 (17.6%)	15 886 (18.1%)	37 198 (42.5%)	10 271 (11.7%)	4 063 ( 4.7%)	87 530 (100.0%)
1980-81	3 932 ( 4.2%)	11 088 (11.9%)	16 260 (17.5%)	41 936 (45.0%)	12 684 (13.6%)	7 254 ( 7.8%)	93 154 (100.0%)
1981-82	4 281 ( 4.2%)	11 405 (11.3%)	18 445 (18.3%)	48 776 (48.4%)	13 990 (13.9%)	3 984 (3.9%)	100 881 (100.0%)
1982-83	7 471 (7.7%)	8 530 (8.8%)	21 367 (22.0%)	39 939 (41.2%)	14 084 (14.5%)	5 630 (5.8%)	97 021 (100.0%)
1983-84	9 637 (9.5%)	11 554 (11.4%)	21 764 (21.4%)	38 860 (38.3%)	15 040 (14.8%)	4 642 (4.6%)	101 497 (100.0%)
1984-85	7 966 (7.8%)	15 090 (14.7%)	17 540 (17.1%)	38 092 (37.2%)	17 297 (16.9%)	6 386 (6.3%)	102 371 (100.0%)
1985-86	6 197 (7.3%)	16 014 (19.0%)	17 683 (20.9%)	25 000 (29.6%)	14 414 (17.1%)	5 148 (6.1%)	84 456 (100.0%)
1986-87 <sup>2</sup>	4 338 (5.1%)	14 973 (17.5%)	20 781 (24.3%)	28 418 (33.2%)	15 281 (17.8%)	1 807 (2.1%)	85 598 (100.0%)

<sup>1</sup> Canada August-July.

<sup>2</sup> Subject to revision.

Source: Statistics Canada "Grain Trade of Canada" and Canadian Grain Commission "Canadian Grain Exports". Does not include bagged seed exports.

USDA "Wheat Situation" 1967-68 to 1974-75, "World Grain Situation and Outlook" 1975-76 to 1986-87.

All Others — IWC "World Wheat Statistics" 1987 and "Record of Operations" for 1986-87.



TABLE XXIII

IMPORTS OF WHEAT AND WHEAT FLOUR INTO SELECTED COUNTRIES FROM ALL SOURCES  
JULY-JUNE CROP YEARS 1967-68 TO 1986-87

Crop Year	Algeria	Arab Republic	Bangladesh	Brazil	China	Italy
	000 tonnes	of Egypt 000 tonnes	000 tonnes	000 tonnes	000 tonnes	000 tonnes
1967-68	664	2 782	—	2 485	4 156	941
1968-69	700	1 945	N/A	2 425	20	1 574
1969-70	259	2 220	N/A	2 081	5 040	1 290
1970-71	646	2 835	N/A	1 855	3 660	1 440
1971-72	885	2 591	690	1 475	2 967	1 379
1972-73	645	3 040	2 176	2 950	5 289	1 211
1973-74	1 600	3 180	1 750	2 440	5 831	3 088
1974-75	1 762	3 489	2 057	1 663	5 675	1 636
1975-76	1 593	3 588	1 050	3 755	2 287	1 910
1976-77	1 338	3 956	765	3 504	3 156	2 428
1977-78	1 705	4 637	1 183	3 382	8 635	4 185
1978-79	1 006	5 541	1 221	3 739	1 969	1 242
1979-80	1 986	5 156	2 171	4 868	8 680	1 294
1980-81	1 824	6 755	659	3 855	13 775	1 914
1981-82	2 294	6 012	1 165	4 589	13 223	1 552
1982-83	2 064	6 188	1 564	3 879	12 963	1 190
1983-84	2 365	7 331	1 632	4 320	9 786	1 370
1984-85	2 164	6 819	2 189	4 934	7 429	515
1985-86	2 395	6 773	1 460	2 445	6 930	672
1986-87 <sup>1</sup>	2 341	7 102	1 622	2 879	8 722	1 268

Crop Year	Japan	Netherlands	Poland	Republic	United	U.S.S.R.
	000 tonnes	000 tonnes	000 tonnes	of Korea 000 tonnes	Kingdom 000 tonnes	000 tonnes
1967-68	4 028	942	1 332	758	4 077	1 534
1968-69	4 183	1 279	1 154	4 183	4 576	147
1969-70	4 425	1 618	1 195	1 673	4 781	1 105
1970-71	4 834	1 310	1 972	1 752	5 359	315
1971-72	4 965	1 482	1 553	1 784	3 829	3 409
1972-73	5 486	2 049	1 000	1 736	4 535	15 000
1973-74	5 353	1 526	1 758	1 627	3 114	4 389
1974-75	5 404	1 684	1 234	1 703	2 935	2 934
1975-76	5 923	2 152	2 061	1 493	4 264	10 096
1976-77	5 522	1 401	2 885	1 832	3 422	4 559
1977-78	5 690	1 499	2 470	1 786	3 841	6 340
1978-79	5 584	1 218	2 323	1 702	1 491	5 024
1979-80	5 571	1 001	3 827	1 813	1 695	11 686
1980-81	5 930	1 055	3 877	2 072	1 380	14 911
1981-82	5 637	1 025	3 818	1 907	1 544	19 645
1982-83	5 597	579	2 899	1 804	1 119	20 140
1983-84	5 901	663	2 025	2 510	1 016	20 560
1984-85	5 748	518	2 057	3 043	716	28 156
1985-86	5 485	511	1 644	3 006	802	15 301
1986-87 <sup>1</sup>	5 576	265	1 865	3 919	622	15 244

<sup>1</sup> Subject to revision.

Source: IWC "World Wheat Statistics" 1986 and "Record of Operations", December 1987.

**TABLE XXIV****SCHEDULE OF CANADIAN WHEAT BOARD PAYMENTS FOR NO. 1 CANADA WESTERN RED SPRING WHEAT<sup>1</sup>  
BASIS IN STORE THUNDER BAY OR VANCOUVER  
POOL ACCOUNT YEARS 1963-64 TO 1987-88**

Pool Account	Initial Payment \$ per tonne	Adjustment Payment \$ per tonne	Interim Payment \$ per tonne	Final Payment <sup>2</sup> \$ per tonne	Total Realized Price \$ per tonne
1963-64	55.12	—	—	17.42	72.54
1964-65	55.12	—	—	14.22	69.34
1965-66	55.12	—	—	18.26	73.38
1966-67	55.12	—	—	17.89	73.01
1967-68	62.46	—	—	4.19	66.65
1968-69	62.46	—	—	—	62.46
1969-70	55.12	—	2.68 <sup>3</sup>	3.93 <sup>4</sup>	61.73
1970-71	55.12	—	—	6.28	61.40
1971-72	53.65	—	—	4.99	58.64
1972-73	53.65	11.02	—	14.47	79.14
1973-74	82.67	55.12	—	30.42	168.21
1974-75	82.67	55.12	—	26.60	164.39
1975-76	82.67	55.12	—	8.49	146.28
1976-77	110.23	—	—	6.92	117.15
1977-78	110.23	—	—	10.07	120.30
1978-79	110.23	18.37	—	31.93	160.53
1979-80	128.60	27.56	—	40.27	196.43
1980-81 <sup>5</sup>	156.16	40.34	—	25.62	222.12
1981-82	174.50	—	—	25.12	199.62
1982-83	174.50	—	—	17.84	192.34
1983-84	170.00	—	—	23.98	193.98
1984-85	170.00	—	—	16.37	186.37
1985-86	160.00	—	—	—	160.00
1986-87	130.00	—	—	—	130.00
1987-88	110.00	—	—	—	—

<sup>1</sup> Base grade prior to 1971-72 was No. 1 Northern Wheat.

<sup>2</sup> Final payment and final realized price after deduction of Board operating costs, but prior to deduction of P.F.A.A. Levy for years 1963-64 through 1969-70.

<sup>3</sup> Payment from Pool Account prior to payment from Temporary Wheat Reserves Act.

<sup>4</sup> Payment from Temporary Wheat Reserves Act.

<sup>5</sup> Crop years 1980-81 forward do not quote 1 CWRS 13% protein payment.

**TABLE XXV**

**SCHEDULE OF CANADIAN WHEAT BOARD PAYMENTS FOR NO. 1 CANADA WESTERN AMBER DURUM  
BASIS IN STORE THUNDER BAY OR VANCOUVER  
POOL ACCOUNT YEARS 1978-79 TO 1987-88**

Pool Account	Initial Payment \$ per tonne	Adjustment Payment \$ per tonne	Final Payment <sup>1</sup> \$ per tonne	Total Realized Price <sup>1</sup> \$ per tonne
1978-79	110.23	18.37	20.33	148.93
1979-80	128.60	36.75	39.50	204.85
1980-81	183.72	55.28	0.58	239.58
1981-82	174.50	—	25.84	200.34
1982-83	174.50	—	12.95	187.45
1983-84	165.00	15.00	24.04	204.04
1984-85	180.00	—	24.85	204.85
1985-86	160.00	—	21.30	181.30
1986-87	130.00	—	20.20	150.20
1987-88	110.00			

<sup>1</sup> Final payment and final realized price after deduction of Board operating costs.

**TABLE XXVI**

**SCHEDULE OF CANADIAN WHEAT BOARD PAYMENTS FOR NO. 1 FEED OATS  
BASIS IN STORE THUNDER BAY  
POOL ACCOUNT YEARS 1973-74 TO 1987-88**

Pool Account	Initial Payment \$ per tonne	Adjustment Payment \$ per tonne	Final Payment <sup>1</sup> \$ per tonne	Final Realized Price <sup>1</sup> \$ per tonne
1973-74	68.08	—	43.41	111.49
1974-75	68.08	6.48	32.76	107.32
1975-76	68.08	6.48	30.88	105.44
1976-77	74.57	—	9.58	84.15
1977-78	74.57	—	—	74.57
1978-79	74.00	—	11.41	85.41
1979-80	68.08	—	—	68.08
1980-81	68.08	20.00	37.31	125.39
1981-82	110.00	—	—	110.00
1982-83	90.00	—	9.53	99.53
1983-84	75.00	25.00	6.61	106.61
1984-85	100.00	—	12.31	112.31
1985-86	100.00	—	—	100.00
1986-87	75.00	—	18.27	93.27
1987-88	55.00	25.00		

<sup>1</sup> Final payment and final realized price after deduction of Board operating costs.



**TABLE XXVII**

**SCHEDULE OF CANADIAN WHEAT BOARD PAYMENTS FOR NO. 1 CANADA WESTERN DESIGNATED OATS  
BASIS IN STORE THUNDER BAY  
POOL ACCOUNT YEARS 1981-82 TO 1987-88**

Pool Account	Initial Payment \$ per tonne	Adjustment Payment \$ per tonne	Final Payment <sup>1</sup> \$ per tonne	Final Realized Price <sup>1</sup> \$ per tonne
1981-82	140.00	—	30.39	170.39
1982-83	140.00	—	10.30	150.30
1983-84	125.00	15.00	16.83	156.83
1984-85	140.00	—	20.75	160.75
1985-86	130.00	—	20.25	150.25
1986-87	130.00	—	2.58	132.58
1987-88	100.00	25.00		

<sup>1</sup> Final payment and final realized price after deduction of Board operating costs.

**TABLE XXVIII**

**SCHEDULE OF CANADIAN WHEAT BOARD PAYMENTS FOR NO. 1 CANADA WESTERN BARLEY  
BASIS IN STORE THUNDER BAY  
POOL ACCOUNT YEARS 1973-74 TO 1987-88**

Pool Account	Initial Payment \$ per tonne	Adjustment Payment \$ per tonne	Final Payment <sup>1</sup> \$ per tonne	Final Realized Price <sup>1</sup> \$ per tonne
1973-74	64.30	34.45	20.31	119.06
1974-75	71.19	27.56	8.30	107.05
1975-76	73.49	13.78	16.79	104.06
1976-77	80.38	—	11.12	91.50
1977-78	80.38	—	8.01	88.39
1978-79	76.00	3.67	11.41	91.08
1979-80	80.38	9.19	17.90	107.47
1980-81	124.01	6.99	15.55	146.55
1981-82	124.00	—	7.07	131.07
1982-83	110.00	—	—	110.00
1983-84	95.00	15.00	28.02	138.02
1984-85	110.00	15.00	6.30	131.30
1985-86	110.00	—	—	110.00
1986-87 <sup>2</sup>	80.00	—	—	80.00
1987-88	60.00			

<sup>1</sup> Final payment and final realized price after deduction of Board operating costs.

<sup>2</sup> Base grade prior to 1986-87 was No. 1 Feed Barley.



**TABLE XXIX**

**DESIGNATED BARLEY SCHEDULE OF PAYMENT FOR SELECT CANADA WESTERN 6-ROW  
BASIS IN STORE THUNDER BAY  
POOL ACCOUNT YEARS 1975-76 TO 1987-88**

Pool Account	Initial Payment \$ per tonne	Adjustment Payment \$ per tonne	Final Payment <sup>1</sup> \$ per tonne	Final Realized Price <sup>1</sup> \$ per tonne
1975-76	75.78	13.78	71.42	160.98
1976-77	105.64	—	42.95	148.59
1977-78	98.75	—	8.43	107.18
1978-79	98.75	—	20.76	119.51
1979-80	98.75	34.45	34.54	167.74
1980-81	133.20	34.80	39.30	207.30
1981-82	158.00	—	27.79	185.79
1982-83	158.00	—	5.38	163.38
1983-84	140.00	—	28.09	168.09
1984-85	140.00	15.00	33.94	188.94
1985-86	155.00	—	28.39	183.39
1986-87 <sup>2</sup>	150.00	—	—	150.00
1987-88	105.00			

<sup>1</sup> Final payment and final realized price after deduction of Board operating costs.

<sup>2</sup> Base grade prior to 1986-87 was No. 2 Canada Western 6-Row.



**TABLE XXX**  
**EXPORT PRICES FOR THE MAJOR EXPORTING COUNTRIES**  
**JULY-JUNE CROP YEARS 1975-76 TO 1986-87**

Crop Years	C A N A D A <sup>1</sup>			UNITED STATES	
	St. Lawrence	Pacific Coast	Pacific Coast	Pacific Coast	Gulf Coast
	1 CWRS 13.5%	1 CWRS 13.5%	1 CWRS 13.5%	DNS 14%	HWO
	Cdn. \$ per tonne	Cdn. \$ per tonne	U.S. \$ per tonne	U.S. \$ per tonne	U.S. \$ per tonne
1975-76	184.00	193.00	192.00	185.00	152.00
1976-77	140.00	143.00	142.00	136.00	113.00
1977-78	147.00	151.00	137.00	129.00	116.00
1978-79	185.00	191.00	164.00	151.00	141.00
1979-80	231.00	236.00	202.00	186.00	174.00
1980-81	264.00	272.00	230.00	210.00	182.00
1981-82	238.00	244.00	201.00	184.00	171.00
1982-83	229.00	235.00	190.00	174.00	159.00
1983-84	238.00	242.00	193.00	178.00	154.00
1984-85	237.00	252.00	188.00	170.00	148.00
1985-86	252.00	249.00	180.00	161.00	128.00
1986-87					
July	223.00	203.00	145.00	126.00	103.00
August	187.00	201.00	145.00	122.00	105.00
September	186.00	201.00	145.00	123.00	104.00
October	183.00	202.00	146.00	126.00	108.00
November	187.00	202.00	146.00	127.00	107.00
December	187.00	202.00	146.00	126.00	109.00
January	188.00	200.00	145.00	126.00	112.00
February	186.00	196.00	147.00	125.00	114.00
March <sup>2</sup>	186.00	196.00	149.00	127.00	118.00
April <sup>2</sup>	179.00	198.00	150.00	129.00	116.00
May <sup>2</sup>	186.00	207.00	154.00	137.00	123.00
June <sup>2</sup>	175.00	199.00	149.00	131.00	111.00

Crop Years	AUSTRALIA	ARGENTINA	EEC
	ASW	Trigo Pan	Standard Wheat
	U.S.	U.S.	Specified Zones
	\$ per tonne	\$ per tonne	U.S. \$ per tonne
1975-76	147.00	144.00	139.00
1976-77	113.00	107.00	—
1977-78	119.00	116.00	97.00
1978-79	142.00	132.00	133.00
1979-80	169.00	192.00	171.00
1980-81	181.00	204.00	170.00
1981-82	165.00	178.00	150.00
1982-83	164.00	148.00	132.00
1983-84	154.00	137.00	146.00
1984-85	150.00	125.00	131.00
1985-86	133.00	102.00	111.00
1986-87			
July	104.00	83.00	90.00
August	103.00	80.00	87.00
September	104.00	81.00	86.00
October	108.00	80.00	79.00
November	110.00	79.00	77.00
December	110.00	79.00	79.00
January	109.00	82.00	77.00
February	112.00	91.00	84.00
March <sup>2</sup>	115.00	92.00	84.00
April <sup>2</sup>	115.00	—	83.00
May <sup>2</sup>	119.00	—	84.00
June <sup>2</sup>	111.00	—	79.00

<sup>1</sup> Canadian Wheat Board official "in store" prices converted to f.o.b. at current FOBing rates — Australian Wheat Board selling price (f.o.b.) Australian Standard Wheat.

<sup>2</sup> Canadian Wheat Board quotations.

Source: IWC "World Wheat Statistics" and Canadian Wheat Board for 1986-87 Canadian prices.

— Not quoted.



**TABLE XXXI**  
**SCHEDULE OF TOTAL NUMBER OF CANADIAN WHEAT BOARD DELIVERY PERMITS**  
**ISSUED TO PRODUCERS**  
**CROP YEARS 1961-62 TO 1986-87**

Crop Year	Manitoba	Saskatchewan	Alberta and British Columbia	Total
1961-62	41,888	103,795	77,991	223,674
1962-63	41,352	102,420	77,366	221,138
1963-64	39,471	100,202	75,206	214,879
1964-65	39,027	98,028	73,888	210,943
1965-66	38,013	95,541	71,632	205,186
1966-67	36,258	92,302	69,494	198,054
1967-68	35,107	89,761	67,189	192,057
1968-69	35,332	88,304	66,970	190,606
1969-70	35,203	88,378	66,423	190,004
1970-71	33,602	85,453	63,654	182,709
1971-72	33,124	82,876	60,886	176,886
1972-73	31,963	80,706	58,943	171,612
1973-74	31,042	78,775	56,654	166,471
1974-75	29,348	77,098	53,262	159,708
1975-76	29,326	76,101	52,689	158,116
1976-77	28,579	75,440	52,638	156,657
1977-78	28,283	74,630	50,834	153,747
1978-79	27,545	73,803	50,199	151,547
1979-80	26,366	72,400	48,891	147,657
1980-81	25,784	71,400	48,464	145,648
1981-82	25,829	71,533	48,655	146,017
1982-83	25,741	71,404	48,588	145,733
1983-84	25,586	71,505	48,378	145,469
1984-85	25,180	70,778	47,605	143,563
1985-86	24,914	70,679	47,730	143,323
1986-87	24,600	70,785	48,043	143,428



















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The Canadian Wheat Board ANNUAL REPORT 1987/88





# **THE CANADIAN WHEAT BOARD**

**ANNUAL REPORT  
1987-88**







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Copies of this Annual Report are available in French upon request.

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W. E. Jarvis .....	Chief Commissioner
R. L. Kristjanson .....	Assistant Chief Commissioner
F. M. Hetland .....	Commissioner
W. H. Smith .....	Commissioner
R. H. Klassen .....	Commissioner

### Executive Officers

David Olfert .....	Treasurer
G. P. Machej .....	Executive Director — Marketing
B. Oleson .....	Executive Director — Planning
L. C. Evans .....	Corporate Secretary

### Canadian Offices

Winnipeg, Manitoba .....	Head Office
Vancouver, British Columbia .....	G. N. Hedalen, Manager
Montreal, Quebec .....	G. M. Champagne, Manager

### Overseas Offices

Toyko, Japan .....	T. Ono, Manager
--------------------	-----------------





Honourable Charles Mayer  
Minister of State,  
Grains and Oilseeds  
Ottawa, Ontario

Winnipeg, Manitoba  
March 31, 1989

Sir:

We are pleased to submit the Annual Report of the Canadian Wheat Board for the crop year ending July 31, 1988, as required by the Canadian Wheat Board Act.

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# PART I

## THE INTERNATIONAL GRAIN MARKET

### INTRODUCTION

Western Canadian grain exports reached another record in 1987-88, and Prairie farmers saw some improvement in prices for their product, but the challenges of the international marketplace did not disappear. Exports of the six major grains totaled 31.7 million tonnes, once again making Canada a leading player in world grain trade. World supplies tightened, leading to improvements in the price of grain, particularly during the latter half of the crop year. Despite this, the market continued to be overshadowed by large volumes of grain traded at subsidized prices by the United States and European Economic Community.

There were some important changes in world grain markets in 1987-88. World production of wheat, coarse grains, and rice was lower in 1987-88. For the first time in seven years, world wheat production was less than consumption. Trade in wheat was significantly higher than the year before. Trade in coarse grains was little changed. World carryover stocks of wheat and coarse grains dropped.

### WHEAT

#### Production

World wheat production in 1987 totaled 513 million tonnes, a drop of 24 million tonnes from the record of the year before. That significant drop marked the first time since the decade began that production would be lower than world consumption.

Poor weather in several key areas contributed to the decrease in overall wheat supplies, and particularly to tightness in the supply of high-quality milling wheats. The wheat crop in Australia was reduced because of hot and dry conditions. Canada's wheat production was down from the previous year. Wheat production in the European Community (EC) was about the same as in 1986, but a very wet harvest greatly reduced quality and left as much as half of EC wheat unsuitable for milling. Argentina's area decreased in 1987.

China was the world's largest grain producer in 1987, although total production was down from the year be-

fore. In the Soviet Union, another major producer, some winter wheat suffered winterkill, while part of the spring wheat area experienced drought followed by a wet

**TABLE 1**  
**WORLD WHEAT PRODUCTION**

	1987 <sup>1</sup>	1986
	(Millions of Tonnes)	
EUROPE	114.3	115.6
EEC <sup>2</sup>	71.5	72.1
Others	42.8	43.5
U.S.S.R.	83.3	92.3
NORTH & CENTRAL AMERICA	87.1	93.1
U.S.A.	57.4	56.9
Canada	25.9	31.4
Others	3.8	4.8
SOUTH AMERICA	17.5	17.4
Argentina	8.9	9.0
Brazil	6.1	5.8
Others	2.5	2.6
ASIA	152.4	158.1
China	87.7	90.3
India	45.6	47.1
Others	19.1	20.7
MIDDLE EAST	32.4	32.4
Iran	7.9	7.6
Saudi Arabia	2.8	2.4
Turkey	18.9	19.0
Others	2.8	3.4
AFRICA	13.0	11.3
Algeria	1.8	1.6
Egypt	2.4	1.9
Morocco	2.4	3.3
South Africa	3.1	2.3
Others	3.3	2.2
OCEANIA	12.8	16.6
Australia	12.4	16.2
Others	.4	.4
Others Unspecified	.2	—
WORLD TOTAL	512.8	537.0

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

Source: For Canada — Statistics Canada

For United States — USDA Crop Production

For all other countries — IWC Market Report, December 1988



harvest. An inadequate and unpredictable monsoon season throughout southeast Asia resulted in a smaller wheat crop in India.

Wheat production in the United States in 1987 was little changed from the year before. Hard red winter wheat yields were generally very good but the acreage was down due to acreage reduction programs.

## Trade

World trade in wheat (including durum) reached a record in 1987-88 of 105 million tonnes, up 18 per cent from the year before. U.S. wheat exports increased sharply from 27.3 million tonnes in 1986-87 to 44.4 million tonnes in 1987-88. Canadian exports also increased by about three million tonnes for a total of 23.5 million tonnes.

U.S. officials continue to attribute the growth in trade to their export subsidy program. In fact, world trade in wheat was simply returning to levels that had existed a few years earlier before the surge in world production. The main reason for the increase in U.S. market share was that Argentina and Australia had less grain with which to compete. Although EC supplies were about the same, much of its wheat was not suitable for milling.

On the importing side, the Soviet Union and China substantially increased their activity in 1987-88 world wheat markets. As a result, the U.S. targeted these nations under its Export Enhancement Program (EEP). Wheat purchases by countries in the Far East also rose in 1987-88, in part because poor monsoon rains reduced the re-

gion's rice crop. Wheat imports by Middle Eastern countries were higher in 1987-88.

## Carryover Stocks

The 1987-88 crop year ended with an important change in the size of the world's wheat carryover. Total carryover was 134 million tonnes, about 27 million tonnes less than the year before.

Carryover stocks in the United States dropped to just over 34 million tonnes, while stocks in the European Community were down to 16 million tonnes. Canada and Australia also experienced significant stock reductions.

## Price

World wheat prices saw some improvement in 1987-88 on the strength of shifting forces of supply and demand. However, exporters' subsidy programs were a far stronger influence, particularly since these programs constituted an ever larger share of world trade. In the case of the U.S., approximately two-thirds of its wheat exports were made with export subsidies.

Prices started to firm up early in the 1987-88 crop year as it became better known that supplies would not be as plentiful. This posed problems for the United States Department of Agriculture (USDA) as it had to offer higher bonuses under its export subsidy program in order to maintain prices to customers. The USDA wanted prices as low as possible in an attempt to keep EC support programs costly and increase the likelihood that the EC would come to terms regarding its export subsidies.

In November 1987, the U.S. Commodity Credit Corporation began weekly auctions of wheat stocks. Grain companies were required to use Payment-in-Kind (PIK) certificates in exchange for wheat held under government programs. These auctions depressed futures prices because they used stock previously isolated from the marketplace. They also made supplies available to U.S. exporters at less than the going market price.

At first, only about 10 million bushels were offered to U.S. grain companies each week. This quickly grew to 25 million bushels per week. Although the wheat auctions temporarily stifled price increases, the drop in U.S. stocks combined with drought in the summer of 1988 resulted in a surge in wheat prices. By the end of

**TABLE 2**  
**EXPORTS OF WHEAT AND WHEAT FLOUR**  
**By Principal Exporters (July-June Crop Year)**

	1987-88 <sup>1</sup>	1986-87
	(Millions of Tonnes)	
Argentina	3.8	4.4
Australia	12.2	15.0
Canada	23.5	20.8
United States	44.4	27.3
EEC <sup>2</sup>	14.3	15.3
Others	6.8	6.0
<b>WORLD TOTAL</b>	<b>105.0</b>	<b>88.8</b>

<sup>1</sup> Preliminary. Subject to Revision

<sup>2</sup> Twelve Member States

Source: For Canada — Statistics Canada and Canadian Grain Commission (August-July crop year)  
For all others — IWC Market Report, December 1988



**TABLE 3**  
**WORLD WHEAT CARRYOVER STOCKS**

	1988 <sup>1</sup>	1987
	(Millions of Tonnes)	
EUROPE (includes U.S.S.R.)	36.0	34.5
EEC <sup>2</sup>	16.0	17.6
Others	20.0	16.9
NORTH & CENTRAL AMERICA	41.9	62.8
U.S.A.	34.2	49.6
Canada	7.2	12.7
Others	.5	.5
SOUTH AMERICA	4.9	3.7
Brazil	3.3	2.8
Argentina	.7	.2
Others	.9	.7
ASIA	39.5	47.5
China	24.5	26.5
India	10.0	16.0
Others	5.0	5.0
MIDDLE EAST	5.7	6.3
Turkey	.6	.8
Others	5.1	5.5
AFRICA	3.7	2.7
Algeria	.2	.2
Egypt	.9	.7
Morocco	.2	.2
South Africa	.7	.5
Others	1.7	1.1
OCEANIA	2.6	3.7
Australia	2.6	3.7
Others	—	—
WORLD TOTAL	134.3	161.2

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

Source: International Wheat Council

## DURUM

### Production

World durum production in 1987, at 29.1 million tonnes, came close to the record of 29.2 million tonnes produced in 1986. Record plantings enabled Canada to produce a record durum crop of about four million tonnes even though yields were lower due to dryness. Increased planting also enabled the EC to produce a larger crop than in 1986.

Prolonged dryness in the U.S. durum growing area greatly reduced yields. Although U.S. durum plantings increased from 1986 to 1987, the low yields produced a below-average crop.

Although Tunisia produced a good-sized durum crop, production in Morocco was down significantly due to a combination of weather-related events. Extreme dryness at seeding followed by frost in late March/early April and extreme heat in late April had a negative effect on the durum crop in Algeria and Morocco and yields were below average.

There is little information available on the Soviet durum crop. However, it is assumed production was below average as the Soviet Union increased its durum imports in 1987-88.

### Trade

World trade in durum hit a record 5.2 million tonnes in the 1987-88 crop year. Soviet imports rose sharply to 1.3 million tonnes, compared to only about 500 000 tonnes in 1986-87, according to the International Wheat Council. Algerian imports rose from 1.2 to 1.7 million tonnes. Both Canadian and EC durum exports, at 2.8 million tonnes and 900 000 tonnes respectively, were up considerably in 1987-88. U.S. durum exports fell to only 1.5 million tonnes.

### Carryover

Total carryover stocks in the major durum exporting countries were up 258 000 tonnes from the previous year. Increases in EC stocks accounted for the rise, while stocks in Canada and the United States were lower than the year before.

the 1987-88 crop year, U.S. hard red winter wheat sales under its export subsidy program had risen to over U.S.\$140 per tonne f.o.b., Gulf. In contrast, hard red winter wheat sales had been as low as U.S.\$105 per tonne f.o.b., Gulf, early in the 1987-88 crop year.





**TABLE 4**  
**WORLD DURUM PRODUCTION**

	1987 <sup>1</sup> (Thousands of Tonnes)	1986 (Thousands of Tonnes)
<b>WESTERN EUROPE</b>	7 565	7 180
Austria	40	45
EEC <sup>2</sup>	7 505	7 113
France	1 386	1 022
Greece	1 178	1 266
Italy	4 453	4 385
Portugal	43	40
Spain	301	254
<b>NORTH AMERICA</b>	6 535	6 710
Canada	4 014	3 897
U.S.A.	2 521	2 665
<b>SOUTH AMERICA</b>	80	200
Argentina	50	54
<b>MIDDLE EAST</b>	6 800	7 460
Syria	640	740
Turkey	6 000	6 000
<b>NORTH AFRICA</b>	3 591	3 630
Algeria	1 050	950
Morocco	1 126	1 981
Tunisia	1 065	378
Others <sup>3</sup>	4 500	4 020
<b>WORLD TOTAL</b>	29 071	29 200

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

<sup>3</sup> Includes Estimates for the U.S.S.R., Eastern Europe and Far East Asia  
Source: IWC World Wheat Statistics

**TABLE 5**  
**EXPORTS OF DURUM BY**  
**PRINCIPAL EXPORTERS**

	1987-88 <sup>1,2</sup> (Thousands of Tonnes)	1986-87 (Thousands of Tonnes)
Canada	2 753	1 957
EEC <sup>3</sup>	900	93
U.S.A.	1 478	2 034
Others	19	99
<b>WORLD TOTAL</b>	5 150	4 183

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> July-June crop year except for Canada which is an August-July crop year

<sup>3</sup> Twelve Member States

Source: For Canada — Statistics Canada "Grain Trade of Canada" and Canadian Grain Commission "Canadian Grain Exports"  
For all other countries — IWC Market Report, December 1988

**TABLE 6**  
**WORLD DURUM CARRYOVER STOCKS IN THE**  
**MAJOR EXPORTING COUNTRIES**

	1987-88 <sup>1</sup> (Thousands of Tonnes)	1986-87 (Thousands of Tonnes)
Canada (August/July)	1 494	1 610
EEC <sup>2</sup> (July/June)	3 000	2 300
U.S.A. (June/May)	2 259	2 585
<b>WORLD TOTAL</b>	6 753	6 495

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

Source: IWC Market Report, December 1988, for the EEC and U.S.A.  
Statistics Canada for Canadian figures

## Price

World durum prices were buffeted by two opposing factors in the 1987-88 crop year. Like other wheats, durum enjoyed some price buoyancy from tight supplies of high quality. The price for No. 3 Hard Amber Durum, f.o.b., Duluth/Superior rose from U.S.\$130 at the start of the crop year to about U.S.\$176 near the end of 1987-88. But, like other wheats, it also experienced the price depressing impact of subsidized competition. Through the U.S. export subsidy program, bonus payments on durum sales brought prices down more than \$40 below quoted values.

## COARSE GRAINS

### Production

World coarse grain production fell sharply from an estimated 845.5 million tonnes in 1986 to 804.4 million tonnes in 1987. These statistics include corn, barley, oats, sorghum, rye, millet, triticale, and mixed grains.

The main reason for the decrease was a drop in U.S. coarse grain production. Although the U.S. achieved record corn yields following favorable growing conditions, plantings were smaller because of acreage reduction programs. U.S. barley and oats yields were hit by the dry early summer and an exceptionally large area of oats was cut for feed. As a result, production of these two crops was well below average.





**TABLE 7**  
**WORLD PRODUCTION OF COARSE GRAINS**

	1987 <sup>1</sup> (Millions of Tonnes)	1986
<b>WESTERN EUROPE</b>	93.7	94.2
EEC <sup>2</sup>	83.1	82.1
Denmark	5.0	5.8
France	25.3	23.9
Germany, Fed. Rep. of	13.8	15.1
Italy	7.9	8.4
Spain	14.1	11.6
United Kingdom	9.8	10.6
Others EEC	7.2	6.7
Sweden	3.6	4.1
Others	7.0	8.0
<b>EASTERN EUROPE</b>	66.0	75.2
German Dem. Rep.	7.1	7.5
Hungary	8.3	8.5
Poland	18.1	17.5
Romania	14.0	18.0
Yugoslavia	10.2	13.6
Others	8.3	10.1
U.S.S.R.	114.0	106.2
<b>NORTH &amp; CENTRAL AMERICA</b>	259.9	298.1
Canada	25.5	25.5
Mexico	15.2	16.7
U.S.A.	215.7	252.9
Others	3.5	3.0
<b>SOUTH AMERICA</b>	47.0	46.6
Argentina	13.4	12.8
Brazil	25.9	26.9
Others	7.7	6.9
<b>ASIA</b>	161.8	156.6
China	98.5	88.3
India	23.5	26.6
Indonesia	5.8	5.9
Thailand	3.0	4.5
Turkey	10.2	10.0
Others	20.8	21.3
<b>AFRICA</b>	54.2	61.0
Egypt, Arab Rep. of	5.5	5.3
Nigeria	8.3	9.4
South Africa	7.9	7.9
Sudan	1.5	3.6
Others	31.0	34.8
<b>OCEANIA</b>	7.8	7.6
Australia	7.0	6.8
Others	.8	.8
<b>WORLD TOTAL</b>	804.4	845.5

**TABLE 8**  
**EXPORTS OF COARSE GRAINS**  
**By Principal Exporters (July-June Crop Year)**

	1987-88 <sup>1</sup> (Millions of Tonnes)	1986-87
Argentina	4.5	6.9
Australia	2.6	3.3
Canada	5.2	7.1
China	3.5	4.3
EEC <sup>2&amp;3</sup>	7.5	8.1
South Africa	1.6	2.6
Thailand	1.2	3.1
U.S.A.	51.8	41.7
Others	9.0	9.9
<b>WORLD TOTAL</b>	86.9	87.0

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

<sup>3</sup> Excluding EEC Intra-Trade

Source: For Canada — Canadian Grain Commission and Statistics Canada  
For all other countries — IWC Market Report, December 1988

## Trade

World coarse grain trade in 1987-88 was estimated at 86.9 million tonnes, little changed from the year before.

With the exception of the United States, coarse grain exports in all major exporting countries were down. Poor growing conditions reduced supplies in Argentina, Australia, Canada, and the European Community, thereby increasing export opportunities for U.S. coarse grains. However, even as these fundamentals improved the exportability and price outlook for U.S. coarse grains, American government policy continued to have the strongest influence. There were large offers of U.S. barley under the subsidy program, and U.S. coarse grain prices were held down by the government's generic certificate program.

On the importing side of the coarse grain market, purchases by countries in Western Europe, Africa, and the Far East increased. There was also increased demand for coarse grain in Eastern Europe. Coarse grain imports by the U.S.S.R., reported by the IWC, were down substantially to 8.9 million tonnes. Purchases by Saudi Arabia were cut almost in half when that country took steps to encourage domestic production.

Trade in oats in 1987-88 totaled 1.4 million tonnes, up from the year before. A poor oats crop in the United

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

Source: For Canada — Statistics Canada

For all other countries — IWC Market Report, December 1988



States combined with limited availability of Swedish and Finnish oats resulted in a strong U.S. demand for Canadian oats.

World trade in corn was up by two million tonnes to 58 million tonnes in 1987-88. World trade in barley was down by almost 17 per cent to just over 17 million tonnes. World sorghum trade increased by over nine per cent to 9.2 million tonnes.

### Carryover Stocks

Reduced production in many key growing areas led to the first decline in world carryover stocks of coarse grains in four years. Total carryover of coarse grains was 213 million tonnes at the end of 1987-88, an 11 per cent decrease from the year before.

### Price

Reduced coarse grain supplies in major exporting countries and the prospect of lower year-end stocks kept steady, upward pressure on prices. However, two other powerful influences were also at work.

U.S. corn, which dominates world coarse grain trade, was not sold with export subsidies. However, the U.S. chose to target EC coarse grain markets by subsidizing barley. In fact, all of the barley exported from the U.S. in 1987-88 was sold under this subsidy program. The barley was sold at U.S.\$30-\$45 per tonne below U.S. f.o.b. levels. The EC matched these prices and Canada was caught in the middle of the price war.

U.S. government generic certificates were another factor in holding down coarse grain prices. Government-held stocks were brought slowly onto the market through this program, thereby reducing purchases from producers.

## BARLEY

### Production

World barley production was estimated at 183.8 million tonnes, or 1.5 million tonnes less than 1986. The Soviet Union was once again the largest barley producer accounting for 58.4 million tonnes of the total. Production in major exporting countries remained about the same as in 1986, except for the United States where production fell by about two million tonnes. EC production was estimated at 47.1 million tonnes, Canadian

production at 14 million tonnes, and Australian production at 3.5 million tonnes.

### Trade

World trade in barley was just over 17 million tonnes in 1987-88, down from 20.5 million tonnes the previous year. Much of the reduction was because of smaller purchases by Saudi Arabia. Soviet imports of barley in 1987-88 were also down.

Barley exports by all major exporters were down, with the exception of the U.S. All barley exported by the U.S. in 1987-88 was sold under the Export Enhancement Program at levels substantially below market values. Canadian exports were held back by a reluctance by producers to deliver at such low prices.

**TABLE 9**  
**WORLD BARLEY PRODUCTION**

	1987 <sup>1</sup>	1986
	(Millions of Tonnes)	
Australia	3.5	3.6
Canada	14.0	14.6
China	6.8	6.3
Eastern Europe	15.6	16.5
EEC <sup>2</sup>	47.1	46.9
U.S.A.	11.5	13.3
U.S.S.R.	58.4	53.9
Others	26.1	30.2
<b>WORLD TOTAL</b>	<b>183.8</b>	<b>185.3</b>

<sup>1</sup> Preliminary. Subject to Revision

<sup>2</sup> Twelve Member States

Source: IWC Market Report, December 1988, for all countries except

Canada

Canada — Statistics Canada

**TABLE 10**  
**EXPORTS OF BARLEY**

	1987-88 <sup>1</sup>	1986-87
	(Millions of Tonnes)	
Australia	1.5	2.2
Canada	4.4	6.5
EEC <sup>2</sup>	6.0	6.9
U.S.A.	2.9	2.9
Others	2.3	2.0
<b>WORLD TOTAL</b>	<b>17.1</b>	<b>20.5</b>

<sup>1</sup> Preliminary. Subject to Revision

<sup>2</sup> Twelve Member States excluding Intra-trade

Source: For Canada — Statistics Canada & Canadian Grain Commission

(August/July crop year)

For all other countries — IWC Market Report, December 1988



## **Price**

The U.S. chose to target EC coarse grain markets in 1987-88 by subsidizing barley. In fact, all of the barley exported from the U.S. in 1987-88 was sold under this subsidy program. The barley was sold at U.S.\$30-\$45 per tonne below U.S. f.o.b. levels. The EC matched these prices and Canada was caught in the middle of the price war.

## **OATS**

The International Wheat Council estimates world trade in oats in 1987-88 totaled 1.4 million tonnes, about half of which was destined for the largest buyer, the United States.

The main feature of the oats market in 1987-88 was increased demand, particularly for high-quality food and feed oats in the U.S., and the subsequent strengthening of prices.

A poor oats crop in the U.S. combined with limited availability of low-priced Swedish and Finnish oats resulted in a strong U.S. demand for Canadian oats. This helped keep prices for Canadian farmers' oats strong throughout the crop year.



## PART II SALES OF CANADIAN GRAIN

### WHEAT AND WHEAT PRODUCTS

A record 23.5 million tonnes of wheat and durum wheat was exported to over 100 countries during the 1987-88 crop year, including countries who received food aid shipments. The Wheat Board and its Accredited Exporters actively sought out new markets and helped expand existing ones in order to move the large amount of total available supplies that farmers wanted to deliver.

Table 11 provides a list of the largest customers and compares exports to the two previous crop years. China increased its wheat purchases significantly in 1987-88 and became Canada's largest wheat customer. Soviet purchases dropped in 1987-88, while exports to the Middle East increased substantially due to increased demand. A large domestic crop enabled Brazil to reduce its wheat purchases while exports to South Korea dropped because of a lack of feed wheat supplies.

Shipments to "other" destinations again accounted for a sizable portion of wheat exports. Within this grouping, 15 countries purchased between 100 000 and 500 000 tonnes each and 74 countries bought under 100 000 tonnes each.

**TABLE 11  
CANADIAN WHEAT (INCLUDING DURUM) AND  
WHEAT FLOUR EXPORTS TO MAJOR MARKETS**

	1987-88 <sup>1</sup>	1986-87 (Thousands of Tonnes)	1985-86
China	7 664	4 194	2 614
U.S.S.R.	4 500	5 391	5 219
Japan	1 484	1 349	1 272
Iran	1 113	128	61
Cuba	953	1 250	1 137
Iraq	884	691	347
Algeria	764	448	492
South Korea	617	1 173	472
Venezuela	532	150	320
Brazil	449	780	986
Italy	440	634	367
United Kingdom	413	503	702
United States	397	420	281
Others <sup>2</sup>	3 304	3 672	3 413
<b>Total</b>	<b>23 514</b>	<b>20 783</b>	<b>17 683</b>

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Includes Bagged Seed Exports

Source: Canadian Grain Commission for 1987-88  
Previous Years — Statistics Canada

**TABLE 12  
CANADIAN DURUM EXPORTS  
TO MAJOR MARKETS**

	1987-88 <sup>1</sup>	1986-87 (Thousands of Tonnes)	1985-86
U.S.S.R.	992	498	254
Algeria	611	423	492
Italy	231	480	255
United States	203	62	—
Venezuela	175	38	49
Libya	96	136	108
Japan	94	79	18
Belgium/Luxembourg	78	14	10
Cuba	64	58	63
German Dem. Rep.	53	47	48
Others	157	122	88
<b>Total</b>	<b>2 754</b>	<b>1 957</b>	<b>1 385</b>

<sup>1</sup> Preliminary: Subject to Revision

Source: Canadian Grain Commission for 1987-88  
Previous Years — Statistics Canada

### DURUM WHEAT

Canadian durum exports hit a record 2.8 million tonnes in 1987-88. As shown in Table 12, the Soviet Union was the largest customer, buying almost one million tonnes. Algerian purchases also rose significantly.

### OATS

Oats exports increased for the third year in a row. Exports for 1987-88 totaled about 278 000 tonnes, compared to 255 000 tonnes in 1986-87 and 43 000 tonnes in 1985-86. Strong demand for quality oats in the United States accounted for most of the demand. The United States bought about 248 000 tonnes of the total. Other destinations included Cuba, Belgium and Luxembourg, The Netherlands, and Japan.

### BARLEY AND BARLEY PRODUCTS

Exports of barley and barley products decreased in 1987-88, mainly due to a reduction in total available Canadian supplies, but also due to some reluctance by producers to deliver at low prices. Soviet purchases fell significantly because of a larger domestic crop and greater availability of subsidized EC exports. Exports to Saudi Arabia were smaller because of reduced demand.





**TABLE 13**  
**CANADIAN BARLEY EXPORTS**  
**TO MAJOR MARKETS**

	1987-88 <sup>1</sup>	1986-87 (Thousands of Tonnes)	1985-86
Saudi Arabia	1 678	1 941	899
Japan	900	731	839
U.S.A.	278	118	96
China	278	285	213
German Dem. Rep.	260	467	571
Iran	123	—	—
Iraq	111	—	—
U.S.S.R.	208	2 149	439
Philippines	100	13	—
Colombia	80	90	—
Others	358	739	535
Total Bulk Grain	4 374	6 533	3 592
Malt	220	185	203
Grand Total	4 594	6 718	3 795

<sup>1</sup> Preliminary: Subject to Revision

Source: Canadian Grain Commission for 1987-88  
Previous Years — Statistics Canada

China became the third largest barley customer, buying 278 000 tonnes of malting barley. Other malting barley exports included 10 000 tonnes to Chile, 80 000 tonnes to Colombia, 24 000 tonnes to the Benelux countries, 31 000 tonnes to Ecuador, and 37 000 tonnes to the United States.

## DOMESTIC FEED GRAIN POLICY

The Wheat Board made very few sales of wheat, oats, and barley to users within Canada during the 1987-88 crop year. Sales of these grains in 1987-88 and for previous years are shown in Table 14.

The federal government made no changes to the domestic feed grain policy during the 1987-88 crop year. As in the previous year, the Board determined its prices for this market by referring to prevailing levels in the area where the grain was requested.

## DOMESTIC WHEAT PRICES

The Wheat Board continued to set prices for top-grade wheat and durum at \$257.21 per tonne throughout the 1987-88 crop year.

This price was within the range established by the federal government for the sale of top-grade wheat to

**TABLE 14**  
**WHEAT BOARD SALES OF**  
**CANADIAN DOMESTIC FEED GRAINS**

Crop Year	Wheat	Oats (Thousand of Tonnes)	Barley	Total
1987-88	32.6	1.8	.6	35.0
1986-87	30.5	12.1	67.2	109.8
1985-86	39.3	24.1	59.8	123.2
1984-85	24.1	5.3	72.1	101.5
1983-84	33.7	.8	.4	34.9

Canadian millers. In June 1988, the federal government announced that a new policy for domestic wheat pricing would come into effect in the 1988-89 crop year. Effective August 1, 1988, the selling price of wheat for human consumption in Canada would be based on the North American market.

## CREDIT SALES

As in the previous year, Canadian sales of grain under credit in 1987-88 accounted for a very small portion of total sales. As Table 15 shows, the total tonnage of credit sales rose slightly to almost 2.6 million tonnes. Destinations are shown in the table.

All credit sales are made under commercial terms and rates. The credit was financed by the Wheat Board and guaranteed by the federal government.

**TABLE 15**  
**1987-88 CANADIAN GRAIN EXPORTS**  
**UNDER CREDIT AGREEMENTS**

August 1/87-July 31/88 (Tonnes)	
<b>WHEAT</b>	
Iraq	880 316
Algeria	764 434
Brazil	445 302
Mexico	153 304
Bangladesh	103 789
Ethiopia	100 340
Israel	17 624
Sub-Total	2 465 109
<b>BARLEY</b>	
Iraq	111 002
Sub-Total	111 002
<b>TOTAL WHEAT &amp; BARLEY</b>	<b>2 576 111</b>

Source: CWB Sales Programming as of January 5, 1989





## FOOD AID PROGRAMS

Shipments of food aid to all destinations under the Canadian International Development Agency or the World Food Program are shown in Table 16.

Total Canadian food aid shipments of wheat and wheat flour were 978 816 tonnes in 1987-88, down from 1.17 million tonnes in 1986-87.

**TABLE 16**  
**WESTERN CANADIAN FOOD AID SHIPMENTS 1987-88 \***  
(August/July)  
(Tonnes)

Country	CIDA			World Food Program			Total		
	Wheat	Flour	Sub-Total	Wheat	Flour	Sub-Total	Wheat	Flour	Sub-Total
China (PRC) .....	94 448	—	94 448	124 477	58 522	182 999	218 925	58 522	277 447
Bangladesh.....	45 100	—	45 100	68 728	—	68 728	113 828	—	113 828
Ethiopia .....	36 159	—	36 159	42 101	13 800	55 901	78 260	13 800	92 060
Sudan .....	—	73 417	73 417	2 400	—	2 400	2 400	73 417	75 817
India .....	—	—	—	44 153	—	44 153	44 153	—	44 153
Mozambique .....	43 580	—	43 580	—	—	—	43 580	—	43 580
Tunisia .....	41 403	—	41 403	—	—	—	41 403	—	41 403
Zambia.....	27 235	—	27 235	—	—	—	27 235	—	27 235
Sri Lanka .....	11 300	—	11 300	13 033	—	13 033	24 333	—	24 333
Ghana .....	24 150	—	24 150	—	—	—	24 150	—	24 150
Peru.....	22 418	—	22 418	—	—	—	22 418	—	22 418
Morocco .....	22 405	—	22 405	—	—	—	22 405	—	22 405
Yemen (AR) .....	—	—	—	—	12 420	12 420	—	12 420	12 420
Egypt .....	—	—	—	—	16 161	16 161	—	16 161	16 161
Senegal .....	16 020	—	16 020	—	—	—	16 020	—	16 020
Jordan .....	—	—	—	—	11 661	11 661	—	11 661	11 661
Syria .....	—	—	—	10 967	—	10 967	10 967	—	10 967
Yemen (PDR) .....	—	—	—	1 500	15 877	17 377	1 500	15 877	17 377
Angola .....	8 000	—	8 000	—	—	—	8 000	—	8 000
Mauritania .....	7 030	—	7 030	—	28	28	7 030	28	7 058
Ecuador .....	—	—	—	—	4 451	4 451	—	4 451	4 451
Brazil .....	—	—	—	3 500	—	3 500	3 500	—	3 500
Guatemala .....	—	—	—	—	2 419	2 419	—	2 419	2 419
Paraguay .....	—	—	—	—	1 960	1 960	—	1 960	1 960
Burundi .....	—	—	—	—	1 159	1 159	—	1 159	1 159
Costa Rica .....	—	—	—	—	973	973	—	973	973
Uganda .....	—	—	—	945	—	945	945	—	945
Nicaragua .....	—	—	—	—	788	788	—	788	788
Gambia .....	—	—	—	—	414	414	—	414	414
Swaziland.....	—	—	—	—	414	414	—	414	414
Guinea .....	—	—	—	—	357	357	—	357	357
Panama .....	—	—	—	—	57	57	—	57	57
SUB-TOTAL .....	399 248	73 417	472 665	311 804	141 461	453 265	711 052	214 816	925 868

CFBA: Bangladesh 2 077 tonnes; Ethiopia 26 049; Zimbabwe 24 760 tonnes

**GRAND TOTAL**

52 886

978 816

\* Includes Eastern Flour  
Source: CWB Sales Programming as of January 30, 1989

# PART III

## THE SUPPLY AND TRANSPORTATION OF CANADIAN GRAIN



### INTRODUCTION

Western Canadian production of the six major grains in 1987, at 45.1 million tonnes, was short of the record of the year before. However, combined with carryover stocks, Western Canada's total supply warranted a strong marketing drive by the Wheat Board and Accredited Exporters for the 1987-88 crop year. The transportation and handling sector rose to the export challenge, and contributed to the record export of 31.7 million tonnes of grain and grain products.

### CROP DEVELOPMENT, QUALITY, AND SIZE

At 45.1 million tonnes, production of the six major grains in Western Canada was down more than six million tonnes from the record of the year before.

Crop conditions in many parts of the Prairies looked very favorable at the start of the 1987 growing season. There was an early spring and plenty of moisture because of good rains the previous fall. However, extremely dry and warm weather through June (as shown

**TABLE 17**  
**1987 <sup>1</sup> WESTERN CANADIAN YIELDS AND PRODUCTION**

	ALBERTA				SASKATCHEWAN			
	YIELD		PRODUCTION		YIELD		PRODUCTION	
	1987 (Bus. per Acre)	10-year Average 1977-86	1987 (Million Tonnes)	10-year Average 1977-86	1987 (Bus. per Acre)	10-year Average 1977-86	1987 (Million Tonnes)	10-year Average 1977-86
Wheat	29.3	29.8	5.8	5.3	27.5	26.3 <sup>1</sup>	15.2	13.6
Barley	54.0	47.5	6.6	5.6	47.4	42.8	3.9	3.1
Oats	67.5	59.4	1.2	1.2	57.5	48.7	.7	.8
Rye	27.3	30.9	.2	.2	22.8	24.5	.2	.2
Flaxseed	21.7	18.5	.1	.1	19.0	16.9	.3	.2
Canola	25.3	21.3	1.6	1.2	26.2	22.7	1.5	1.2
TOTAL PRODUCTION	—	—	15.5	13.6	—	—	21.8	19.1
	MANITOBA				WESTERN CANADIAN PROVINCES <sup>2</sup>			
	YIELD		PRODUCTION		YIELD		PRODUCTION	
	1987 (Bus. per Acre)	10-year Average 1977-86	1987 (Million Tonnes)	10-year Average 1977-86	1987 (Bus. per Acre)	10-year Average 1977-86	1987 (Million Tonnes)	10-year Average 1977-86
Wheat	29.9	30.5	3.9	3.3	28.3	27.7	25.1	22.4
Barley	52.4	48.3	1.9	1.9	51.4	46.0	12.6	10.8
Oats	60.0	53.6	.4	.5	62.9	54.7	2.4	2.5
Rye	27.7	30.9	.1	.1	24.7	28.0	.5	.6
Flaxseed	20.0	16.7	.4	.4	19.7	16.9	.7	.8
Canola	25.8	22.0	.6	.5	25.7	21.9	3.8	2.9
TOTAL PRODUCTION	—	—	7.3	6.7	—	—	45.1	40.0

<sup>1</sup> Preliminary; Subject to Revision

<sup>2</sup> Includes British Columbia

Source: Statistics Canada



in the first map on page 16) reduced yield expectations considerably.

July and August were wetter than normal, as shown in the second map. Although the early July rains helped prevent severe yield deterioration in most areas, the wet weather that came later delayed harvesting and resulted in some loss of crop quality.

Dry conditions in September of 1987 allowed harvesting to be completed relatively early. Crop quality was better in 1987 than in 1986. Grade distribution of the 1987 wheat crop is shown in Table 18. However, continued dryness throughout the rest of 1987 raised concerns about crop prospects in 1988.

## PRODUCER DELIVERIES

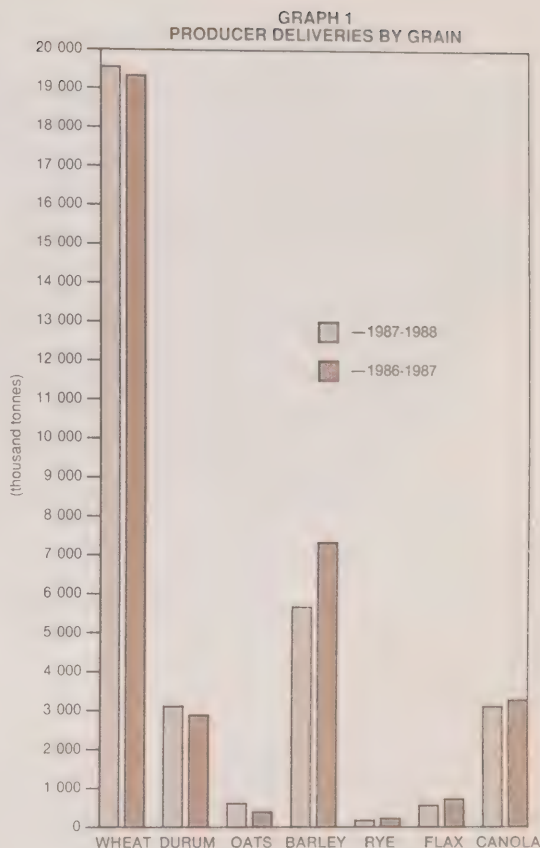
Producers delivered 33.3 million tonnes of the six major grains in 1987-88. Graph 1 shows 1987-88 deliveries by grain compared with the previous year.

While deliveries were smaller than year-ago figures, this represented virtually all the grain that farmers

**TABLE 18**  
**ESTIMATED GRADE DISTRIBUTION**  
**(Per cent of Production)**

	1987	1986
<b>Wheat Grades</b>		
1 CW Red Spring	19.0%	35.0%
2 CW Red Spring	46.0	21.0
3 CW Red Spring	32.0	27.0
1 Canada Utility	n/a	1.0
2 Canada Utility	n/a	1.0
Canada Feed	3.0	15.0
<b>Barley Grades</b>		
Select	8.0	8.0
1 CW	81.0	71.0
2 CW & lower	11.0	21.0
<b>Durum Grades</b>		
1 CW Amber Durum	14.0	34.0
2 CW Amber Durum	24.0	17.0
3 CW Amber Durum	36.0	19.0
4 CW Amber Durum	22.0	16.0
5 CW Amber Durum	4.0	14.0

Source: Canadian Grain Commission



wanted to deliver in 1987-88. On-farm carryover was reduced significantly by year-end.

Delivery opportunities gained momentum fairly quickly after the beginning of the crop year, in spite of some transportation difficulties. The Board was able to outline bright delivery prospects, particularly for quality milling wheats and high-quality durum. Two series of Guaranteed Delivery Contracts for barley and oats were offered for 1987-88. The Board advised farmers early in the year that sales of barley would be based on farmers' delivery patterns. Delivery opportunities for oats were strong throughout the year in keeping with demand.

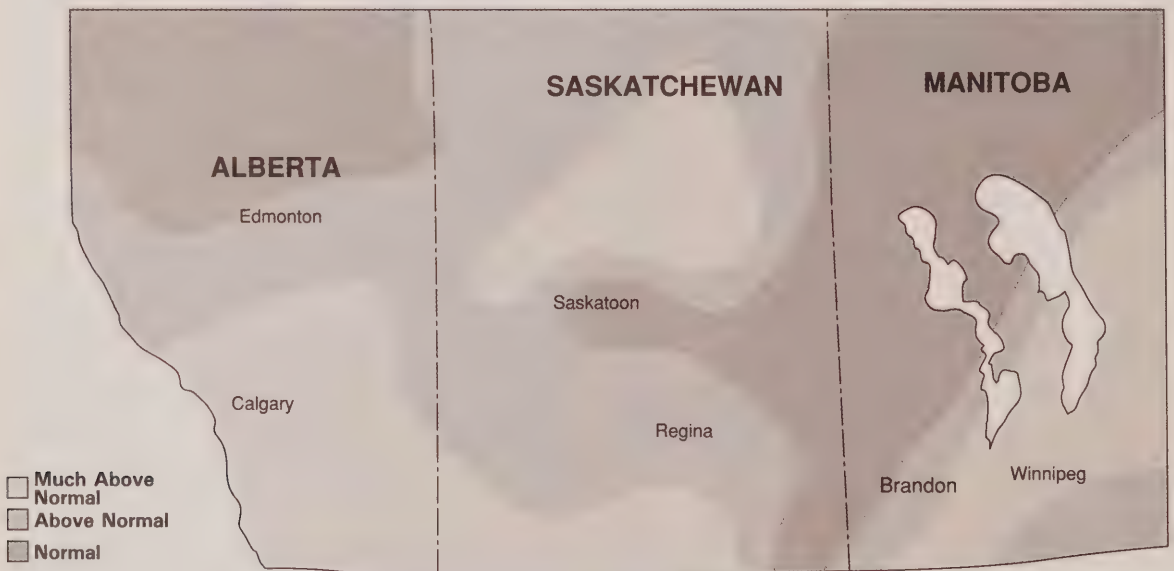
By early spring of 1988, it became evident that the Board and Accredited Exporters would be able to sell virtually all the grain that farmers wished to deliver. The importance of timely delivery was stressed. Farmers were advised that several quotas would be made available before the end of the crop year, but that they would be terminated fairly quickly.



**PERCENT OF NORMAL PRECIPITATION FROM APRIL 1 TO JUNE 30, 1987**



**PERCENT OF NORMAL ACCUMULATED PRECIPITATION FROM JULY 1, TO AUGUST 31, 1987**







**TABLE 19**  
**SUMMARY OF CROP YEAR QUOTAS AS AT JULY 31, 1988**

	Quota Name	Kilograms/ Quota Acre	Bushels/ Quota Acre	Grades	
Canada Western	A	80	2.9	All	All
Red Spring Wheat	B to C	350	12.9	Canada Feed	All
	D to I	1 000	36.6	All	All
Durum Wheat	A	80	2.9	All	All
	B	270	10.0	5 CW	All
	C	135	5.0	1 & 2 CW	All
	D to H	920	33.7	All	All
Canada Prairie Spring Wheat	A to F	1 490	55.0	All	All
Utility Types of Wheat	A to E	1 360	50.1	All	All
Red Winter Wheat	A to F	1 000	36.6	All	All
Soft White Spring Wheat	A to D	950	35.0	All	All
Oats	A to C	1 080	70.0	All	All
Contract Oats	Series A to B	4 000	261.6	Straight 1 Feed & higher	All
Barley	A to F	785	36.1	All	All
Contract Barley	Series A	2 000	91.8	Straight 1 & 2 CW	All
	Series A-2	2 000	91.8	Straight 1 & 2 CW	All
	Series B	2 000	91.8	Straight 1 & 2 CW	All
Rye		1 525	60.0	All	All
Rye to Distillers		1 525	60.0	All	All
Flaxseed		1 525	60.0	All	All
Flaxseed to Crushers		1 525	60.0	All	All
Canola		1 360	60.0	All	All
Canola to Crushers		1 360	60.0	All	All
Off-Board Wheat		1 905	90.1	All	All
Off-Board Oats		1 390	90.1	All	All
Off-Board Barley		1 740	79.9	All	All

Producer deliveries decreased as the crop year drew to a close, resulting in one of the quietest ends to a crop year in quite some time.

Quotas and delivery calls for grains in the 1987-88 crop year are shown in Table 19.

#### **CARRYOVER**

Record exports in 1987-88 were made possible by reducing commercial stocks and farm carryover. Commercial stocks were down to only 6.7 million tonnes compared with 10.4 million tonnes the year before.





**TABLE 20**  
**STOCKS ON FARMS IN WESTERN CANADA AS AT JULY 31**  
**FOR YEARS 1983 TO 1988**

Grain	1988 <sup>1</sup>	1987	1986 (Thousands of Tonnes)	1985	1984	1983
Wheat*	2 520	4 990	745	1 060	1 690	1 960
Oats	630	800	455	345	465	825
Barley	2 370	1 330	815	700	930	3 055
Rye	160	210	160	150	105	220
Flaxseed	115	140	65	25	25	118
Canola	140	170	275	95	15	40
<b>TOTAL</b>	<b>5 935</b>	<b>7 640</b>	<b>2 515</b>	<b>2 375</b>	<b>3 230</b>	<b>6 218</b>

\* Includes Durum Wheat

<sup>1</sup> Subject to Revision

Source: Statistics Canada

**TABLE 21**  
**STOCKS IN CANADIAN COMMERCIAL POSITIONS BY GRAIN AS AT JULY 31**  
**FOR YEARS 1983 TO 1988**

Grain	1988 <sup>1</sup>	1987	1986 (Thousands of Tonnes)	1985	1984	1983
Wheat*	4 667	7 724	7 799	6 518	7 455	7 973
Oats	207	144	171	124	125	175
Barley	1 200	1 602	2 209	1 291	891	1 904
Rye	159	165	142	233	326	431
Flaxseed	287	302	207	119	130	347
Canola	491	449	675	375	105	446
<b>TOTAL</b>	<b>6 681</b>	<b>10 386</b>	<b>11 203</b>	<b>8 660</b>	<b>9 032</b>	<b>11 276</b>

\* Includes Durum Wheat

<sup>1</sup> Subject to Revision

Source: Canadian Grain Commission for 1988

All previous years — Statistics Canada

**TABLE 22**  
**COUNTRY ELEVATOR SHIPMENTS**

Grain	Man.	1987-88		TOTAL	Man.	1986-87		TOTAL
		Sask. (Thousands of Tonnes)	Alta. <sup>1</sup>			Sask. (Thousands of Tonnes)	Alta. <sup>1</sup>	
Wheat	3 506	12 213	4 859	20 578	2 862	11 720	5 267	19 849
Durum	239	2 784	570	3 593	222	2 012	316	2 550
Oats	87	134	302	523	76	92	277	445
Barley	749	2 005	2 921	5 675	1 017	2 570	3 921	7 508
Rye	32	155	53	240	30	117	50	197
Flaxseed	310	224	21	555	374	233	18	625
Canola	431	1 023	818	2 272	348	900	900	2 148
<b>TOTAL</b>	<b>5 354</b>	<b>18 538</b>	<b>9 544</b>	<b>33 436</b>	<b>4 929</b>	<b>17 644</b>	<b>10 749</b>	<b>33 322</b>

<sup>1</sup> Includes British Columbia

Source: Canadian Grain Commission



On-farm carryover at the end of 1987-88 was 5.9 million tonnes, a substantial decrease from 7.6 million tonnes at the end of 1986-87.

A comparison of farm and commercial stocks for several years is available in Table 20 and 21.

## COUNTRY ELEVATOR SHIPMENTS

Country elevator shipments of the six major grains in 1987-88 totaled 33.4 million tonnes, about the same as the level of the year before. Country elevator shipments by province and by grain are shown in Table 22.

Shipments from elevators in Manitoba and Saskatchewan were up, while Alberta shipments were down from the year before. The shipment of most grains increased, with the exception of barley and flaxseed.

## WEST COAST

West Coast exports hit a record of just over 17 million tonnes in the 1987-88 crop year. This was almost one million tonnes more than the previous record set in 1986-87. Of the total, Prince Rupert accounted for almost four million tonnes.

Vancouver established nine individual monthly records during the 1987-88 crop year. Rail car unloads exceeded 165,000 cars, surpassing the previous record of 153,000 cars set in the 1986-87 crop year. Prince Rupert set four monthly export records during the year. Rail car unloads were almost 50,000 cars, down slightly from the previous year.

While records were established, interruptions occurred throughout the crop year. The Fraser River bridge used by CN Rail at Vancouver was out of service for 26 days when a barge struck it on Nov. 28, 1987. Railway workers went on strike August 24-28, 1987. The federal government legislated them back to work.

On December 9, workers at Prince Rupert terminal went on strike. The port had been handling about 30 per cent of total West Coast business, and the effect of the work stoppage was felt immediately on the Prairies. Mediators were called into the dispute, but the port did not resume operations until January 21.

## THUNDER BAY AND ST. LAWRENCE

Exports through Thunder Bay terminals and St. Lawrence transfer houses totaled 12.24 million tonnes in

1987-88, virtually the same as the previous year.

The five-day strike by railway workers in August did not affect Seaway movement as much as movement to the West Coast. Stocks were relatively high in St. Lawrence transfer houses and at Thunder Bay. Rail car unloads at Thunder Bay rebounded quickly after federal legislation to end the strike came into place.

The Wheat Board worked hard with transportation and handling sectors to maximize country loadings. But rail car unloads at Thunder Bay continued to fall short of targets. This was a disappointment throughout the rest of the 1987 shipping season. The Lake Ontario-Montreal section of the Seaway closed December 29. The Welland Canal closed December 28.

The Board operated a winter rail program in 1987-88. In total, 34 unit trains carried 289 000 tonnes of grain from Thunder Bay to the St. Lawrence.

The first vessel of the 1988 season loaded at Thunder Bay on March 29. All sections of the Seaway and Great Lakes were opened at about the same time. With the expectation of heavy vessel arrivals, it was obvious that a steady flow of grain from the country would be needed and farmers were advised of the importance of timely deliveries throughout the end of the crop year. Operations at Thunder Bay went smoothly, but as the crop year ended, deliveries to country elevators slowed and this meant a decrease in grain moving to the port. Near the end of the crop year, unloads in some weeks dropped below 2,000 cars.

## ATLANTIC

Exports through the Atlantic ports of Halifax and West Saint John totaled 582 000 tonnes in 1987-88, about 30 000 tonnes more than the previous year. The grains moved through the two ports included wheat, durum, and some barley.

## CHURCHILL

Churchill exports for the 1987 season totaled 569 000 tonnes, a slight decrease from the previous year. All of the grain moved through the port during the season was barley.



The first vessel of the season began loading at Churchill during the first week of August. When the August 24 railway strike hit, there were sufficient stocks in the Churchill terminal to cover the next expected vessel. However, it was pointed out that a loss of unloads at the port would affect future shipments. An estimated 700 unloads were lost as a result of the strike.

The last vessel of the season cleared the port on October 24.

### SPECIAL HIGH-PROTEIN WHEAT PROGRAM

The Board once again conducted a special program to attract deliveries of high-protein wheat. All farmers with supplies of No. 1 Canada Western Red Spring wheat with 14.5 per cent protein or higher were eligible to apply to the Wheat Board for delivery above existing quotas.

Farmers were asked to take a representative sample to an elevator for grading and protein testing. If the sample met the specifications, an application form was completed indicating the quantity the farmer wished to deliver. A copy of the application form and a representative sample envelope was sent to the Canadian Grain Commission for verification. The application form itself was sent to the Wheat Board's Country Services Division by December 22, 1987. If the Commission verified the grade and protein, the Wheat Board advised the producer of acceptance into the program. The Board reserved the right to proportionately reduce each producer's quantity if the program was oversubscribed.

The Board accepted all qualified producers under the program. On March 29, the Board issued the first delivery call for 33 per cent of committed supplies, or a minimum of 20 tonnes. On May 19, the remaining committed supplies were called forward.

### FREIGHT AND HANDLING RATES

The total cost of moving grain east of Thunder Bay is shown in Table 23. For winter rail, the total cost per tonne dropped slightly, largely because of lower switching fees paid for moving cars into position in the rail yard.

Table 24 provides a breakdown of Thunder Bay fobbing costs, lake freight costs, and inward elevation at eastern transfer elevators. With the exception of lake freight costs, all costs were about the same as the previous year.

Weighted average rail freight rates and actual country elevation charges are shown in Table 25. Rail freight rates showed the greatest difference from the year before. Under the Western Grain Transportation Act (Bill C-155), freight rates were destined to rise an average 39 per cent on August 1, 1987. However, the federal government assumed part of the increased cost. This increased the government's share of the 1987-88 freight rate to over 80 per cent.

The Canadian Grain Commission maintained maximum terminal and country elevation tariffs as well as maximum removal of dockage fees at 1985-86 levels.

TABLE 23  
TOTAL EASTERN TRANSPORTATION AND HANDLING COSTS FOR WHEAT

	1988	1987	1986 (Dollars per Tonne)	1985	1984	Percentage Increase/ Decrease from 1984
Thunder Bay to St. Lawrence <sup>1</sup> (all water)	\$22.364	\$21.565	\$25.586	\$24.489	\$22.247	+5.5%
Thunder Bay to St. Lawrence (winter rail)	31.345	32.940	34.229	34.185	36.638	-14.4%
Thunder Bay to Atlantic <sup>2</sup>	24.461	23.615	27.571	27.548	26.396	-7.3%

<sup>1</sup> Includes lake freight rate as at opening of navigation.

<sup>2</sup> Includes lake freight costs to Georgian Bay at close of the previous navigation season & A.T. and East rail freight costs from Georgian Bay to the Atlantic.



**TABLE 24**  
**EASTERN TRANSPORTATION AND HANDLING CHARGES FOR WHEAT**  
**(Rates Basis Opening of Navigation)**

	1988	1987	1986 (Dollars per Tonne)	1985 (Dollars per Tonne)	1984	Percentage Increase/ Decrease From 1984
Thunder Bay Costs	\$5.160	\$5.180	\$5.180	\$5.013	\$4.913	+5.0%
Elevation <sup>1</sup>	4.310	4.310	4.310	4.180	4.100	+5.1%
Weighing, Inspection <sup>2</sup>	.740	.740	.740	.740	.720	+2.8%
LSCA Charges <sup>3</sup>	.050	.070	.070	.043	.043	+16.3%
Warehouse Receipts Cancellation <sup>4</sup>	.060	.060	.060	.050	.050	+20.0%
Lake Freight (including Bunker fuel)						
Thunder Bay to Bay Ports	7.240	6.680	8.430	9.240	8.200	-11.7%
Thunder Bay to St. Lawrence	13.170	12.140	13.590	15.110	13.250	-6.0%
Eastern Terminals <sup>5</sup>						
Bay Ports	3.430	3.430	3.430	3.430	3.300	+3.9%
St. Lawrence	2.470	2.470	2.470	2.400	2.300	+7.4%
Atlantic	2.470	2.470	2.470	2.400	2.310	+6.9%

<sup>1</sup> Receiving, weighing and delivery of grain.

<sup>2</sup> Sampling and grading of grain by an inspector and issuing of inspection certificate.

<sup>3</sup> Fees of Lake Shippers Clearance Association.

<sup>4</sup> Cancellation by Canadian Grain Commission of registration of Terminal Warehouse Receipts.

<sup>5</sup> Transfer elevators in Eastern Canada, the principal use of which is the transfer of grain that has been officially inspected and officially weighed at another elevator, as well as the receiving and storing of eastern and foreign grain.

**TABLE 25**  
**WEIGHTED AVERAGE DEDUCTIONS FROM FARMERS**  
**FOR FREIGHT, COUNTRY ELEVATION, & REMOVAL OF DOCKAGE**

		1987-88	1986-87	1985-86 (Dollars per Tonne)	1984-85	1983-84
Wheat	Freight	\$5.94	\$5.62	\$5.53	\$7.20	\$5.16
	Country Elevation & Removal of Dockage	8.05	8.02	7.93	7.60	7.46
	Total	13.99	13.64	13.46	14.80	12.62
Durum Wheat	Freight	6.21	5.79	5.71	7.55	5.24
	Country Elevation & Removal of Dockage	7.97	8.00	7.88	7.56	7.43
	Total	14.18	13.79	13.59	15.11	12.67
Oats	Freight	5.86	5.57	5.43	7.22	5.21
	Country Elevation & Removal of Dockage	12.34	12.10	12.06	11.33	11.15
	Total	18.20	17.67	17.49	18.55	16.36
Barley	Freight	6.03	5.65	5.53	7.16	5.14
	Country Elevation & Removal of Dockage	9.72	9.74	9.68	9.31	9.13
	Total	15.75	15.39	15.21	16.47	14.27





Maximum terminal elevation tariffs were \$5.01 per tonne for wheat, \$8.22 per tonne for oats, and \$6.21 per tonne for barley. Maximum country elevation tariffs were \$8.53 per tonne for wheat, \$13.99 per tonne for oats, and \$10.58 per tonne for barley. For maximum removal of dockage fees, the rates were \$2.63 per tonne for wheat, \$4.31 per tonne for oats, and \$3.26 per tonne for barley.





## PART IV OTHER OPERATIONS

### PROMOTIONAL ACTIVITIES

#### Market Development

Four varietal evaluation programs were offered to producers prior to the start of the 1988 growing season. As shown in Table 26 below, these included HY 355 and HY 368 wheat and TR 479 and TR 490 barley. Varietal evaluation programs are conducted by the Wheat Board's Market Development Department to encourage the development of varieties with potential to expand market opportunities for western grain growers.

**TABLE 26**  
**WHEAT BOARD CONTRACT PROGRAMS IN 1988**

Variety	Average No. of Growers (acres)	Size of Contract	Total Acres	Type
WHEAT				
HY 355	543	50	27,786	CPS (White) Wheat
HY 368	27	70	1,957	CPS (Red) Wheat
BARLEY				
TR 479	18	60	1,026	2-Row White Malting Barley
TR 490	23	60	1,305	2-Row White Malting Barley

**HY 355** — This is the first high-yielding, white wheat which appears to meet the quality requirements of the Canada Prairie Spring wheat class. It was developed at the Agriculture Canada Research Station in Swift Current. It is best adapted to the brown and dark brown soil zones. It has been given a two-year interim registration.

**HY 368** — This variety is the successor to HY 320. It has been supported for registration as the first variety to be included in the red Canada Prairie Spring wheat class. Like its predecessor, HY 368 is a high-yielding variety that was developed at the Swift Current Research Station. With increased kernel hardness, the milling and baking quality of HY 368 is significantly superior to that of HY 320 and should, therefore, be more acceptable in overseas markets. The variety has been supported for full registration by the Prairie Registration Recommending Committee for Grain.

**TR 479 and TR 490** — These are two-row white aleurone malting barley varieties developed at the University of Saskatchewan. Both are high-yielding and have promising malting and brewing qualities. In the 1988-89 crop year, TR 479 and TR 490 barley will be

contracted for the second part of a two-year plant-scale testing program. The results of these tests will determine whether these varieties will be registered by Agriculture Canada.

**Barley Enzymes** — A glucanase, developed at the University of Saskatchewan, is being used to promote the use of Western Canadian feed barley in poultry rations in several overseas countries. In the past, the major limit to the amount of barley recommended for use in poultry starter rations has been linked to a "Beta Glucan" content of barley. Beta Glucan is an intrinsic part of the kernel structure. The problem is that poultry lack the necessary enzymes in their digestive systems to effectively utilize the barley. This can result in digestive problems, wet litter and reduced growth rates. Extensive commercial use in Western Canada has shown the enzyme largely eliminates these difficulties. Added as dry powder to the rations at the feed mill, the enzyme also significantly increases the feeding value of barley when used in poultry rations.

#### Canadian International Grains Institute

The Canadian Wheat Board continued its active support of the Canadian International Grains Institute. This included providing guidance on programs to be offered to participants and contacts of people interested in attending Institute courses. The Board, on behalf of farmers, also continued to jointly fund the Institute's operations with the federal government. Further details of the activities of the Institute are available in its annual report.

The Board commends the Canadian International Grains Institute for many of its programs and for the response given to our marketing requirements.

#### Sales Missions

During the crop year under review, Commissioners and other Board officials traveled to numerous countries on sales and market development missions. These countries are listed by geographic area as follows:

**Africa and the Middle East** — Algeria, Egypt, India, Iraq, Jordan

**Asia** — Bangladesh, Indonesia, Japan, Malaysia, People's Republic of China, Philippines, Singapore, South Korea, Taiwan, Thailand



**Latin America and the Caribbean** — Argentina, Brazil, Colombia, Mexico, Peru

**Western Europe** — Belgium, France, Italy, Portugal, Sweden, United Kingdom

**Eastern Europe** — Bulgaria, German Democratic Republic, Poland, U.S.S.R.

### **Incoming Missions**

Two missions from the People's Republic of China and one each from Algeria, the German Democratic Republic, Japan and Mexico visited Canada during the year as guests of the Board. These missions included senior government and grain trade officials. The visit gave them the opportunity to observe Canada's grain handling system from farm to seaboard port, as well as research, quality control and grain processing facilities.

Individuals and groups from 19 other countries also visited the Board's offices during the period under review. In addition to having meetings and discussions with them, the Board, in many instances, assisted in arranging their itineraries and programs.

The Canadian Wheat Board was honoured with a visit from King Carl XVI Gustaf and Queen Silvia of Sweden in March 1988 during their Canadian tour. They visited the Board with specific interest in learning more about Prairie grain marketing.

The Board gratefully acknowledges the invaluable support it receives from many levels of governments, universities, grain trade organizations and individuals in arranging these visits.

### **Awards Programme**

The Wheat Board's Awards Programme was initiated in 1976 to encourage young scientists to enter the field of grain research. The programme offers financial assistance to students in Colleges of Agriculture at the Universities of Alberta, Manitoba and Saskatchewan, and is funded from the Wheat Board's Special Account. A total of \$228,324.83 was awarded through this programme in the 1988 calendar year.

The awards are made on the basis of academic standing, and are keenly contested. At the graduate level, six new fellowships are awarded annually, each for a three-year duration. Approximately 30 scholarships are also

given each year to third- and fourth-year undergraduate students. Under the programme, undergraduate students are also invited to apply for summer employment at the Board.

### **Touring the Wheat Board**

There were 84 groups totaling about 1,123 people who toured the Wheat Board's Winnipeg office during the 1987-88 crop year. There were 13 farm groups, 45 international groups, 17 educational groups, and 9 others. They toured the major departments of the Board and operations in each area were discussed.

### **LEGAL SERVICES**

The Board's Legal Department continued to provide legal assistance to the Board by drafting Regulations, handling estate files and demurrage claims and providing legal opinions and assistance on matters relating to the Board's operations.

It also assisted with the collection of defaulted cash advance accounts under the federal government's Prairie Grain Advance Payments Act. There were 849 accounts referred to the Legal Department during the year for collection and 48 actions were taken in the Federal Court of Canada. This compares with 584 defaulted accounts referred to the Legal Department for collection in the previous crop year in which 128 actions were taken.

Eighty-two bankruptcy files were opened and attended to by the Legal Department, compared to 54 in the previous crop year, where producers entering bankruptcy had previously obtained advance payments which remained outstanding under the Prairie Grain Advance Payments Act.

A total of 52 convictions were obtained during the 1987-88 crop year for breaches of the Canadian Wheat Board Act and Regulations and the Prairie Grain Advance Payments Act and Regulations. The convictions involved a total of nine producers, four elevator managers and two elevator companies.

### **OFFICERS AND STAFF**

A number of changes involving senior staff took place during the 1987-88 crop year. Mr. Frank Rowan, Senior Advisor, Marketing, retired and Ms. Maggie Liu re-



signed from her position as Director, Pricing and Foreign Competition. Mr. Mike Martin was named Special Assistant, Transportation and Mr. Jim McDonald was appointed Director, Grain Operations, Western. Mr. Robert Harris and Mr. Stan Sichewski were both appointed Assistant Director, Grain Operations, Western.

Eleven other staff members retired from the Canadian Wheat Board in 1987-88: Mr. P. Fabas, Mr. K. Gair, Mr. L. Johnson, Mr. E. Lee, Mrs. D. Lyon, Miss A. Malyna, Miss S. McLaren, Mr. D. Morris, Mrs. D. Renkewitz, Mrs. E. Wilbur and Mr. C. Windsor.

To those employees who retired or resigned during the crop year, the Board extends its gratitude for their years of loyal and valuable service and wishes them well in their future endeavours.

With sadness we record the deaths in 1987-88 of the following employees and pensioners: Mrs. A. Johnson, Mr. L. Joyal, Mr. D. McLeod, Mrs. E. Moreau, Miss N. Reid and Mr. R. Scott. They are greatly missed by all of us.

The number of permanent and temporary employees in all Board offices on July 31st of each of the last five years is indicated in Table 27.

**TABLE 27**  
**NUMBER OF EMPLOYEES AT JULY 31st**

Year	Permanent	Temporary	Total
1984	532	102	634
1985	510	82	592
1986	482	37	519
1987	462	42	504
1988	448	37	485

## **BOARD OFFICES**

The Canadian Wheat Board continued to operate branch offices in Montreal with a staff of nine employees, in Vancouver with a staff of 10 and in Tokyo, Japan with a staff of three.





## PART V ADVISORY COMMITTEE

The 1987-88 crop year continued with the Advisory Committee which took office in January 1987 for a four-year term. It consisted of the following members:

District	Name	Address
1	Wilfred A. Harder .....	Lowe Farm, Manitoba
2	Larry N. Maguire.....	Elgin, Manitoba
3	Terry L. Hanson .....	Fillmore, Saskatchewan
4	Micheal G.W. Halyk .....	Melville, Saskatchewan
5	J. Harvey Gjesdal.....	Birch Hills, Saskatchewan
6	Roy R. Atkinson.....	Landis, Saskatchewan
7	Avery Sahl.....	Mossbank, Saskatchewan
8	Gary Pike.....	Lloydminster, Saskatchewan
9	Dan Cutforth.....	Barons, Alberta
10	Ken D. Galloway.....	Fort Saskatchewan, Alberta
11	Arthur W. Macklin.....	Grande Prairie, Alberta

Mr. K. D. Galloway and Mr. R. R. Atkinson continued in their roles as Chairman and Vice-Chairman, respectively, until the Committee's meeting on April 15, 1988. At that time the Committee reviewed these positions as required by the Act. Mr. A. K. Sahl was elected as Chairman and Mr. M. G. W. Halyk as Vice-Chairman.

Twelve meetings of the Advisory Committee were held in Winnipeg during 1987-88 to review operational matters with the Board and discuss policy issues related to the producers of Western Canada. Some of the Committee's main areas of concern were the Canada/U.S. Free Trade Agreement, the labour dispute at Prince Rupert, world grain prices, the proposed amendments to the Canadian Wheat Board Act and the drought conditions in Western Canada.

The Committee received various guests at its meetings during the year. Mr. H. Fast, Canadian Grain Commission, Mr. D. Silk, Canada Malt, Mr. A. Barber, Saskatchewan Wheat Pool and Mr. H. Harri, Saskatchewan Wheat Pool, attended the meeting on August 27, 1987, to discuss concerns related to malting barley. Mr. R. Boyd and Mr. R. Ferrier of CN Rail were present on October 22, 1987, to review CN Rail's performance in delivering grain to port positions. On December 17, 1987, Mr. P. Thomson,

Mr. G. Miles and Mr. R. Wansbutter of the Grain Transportation Agency attended the meeting to discuss railway performance in the past year. Mr. D. Stirling, CP Rail, Mr. R. Boyd, CN Rail, and Mr. A. Johnston, CN Rail, were invited to the meeting on May 26, 1988, to give a presentation on their companies' capital investment plans. Mr. O. Bilokury, Western Grain Stabilization Administration, joined the Committee on June 27, 1988, to discuss certain aspects of the Western Grain Stabilization Act.

The Committee appreciated the attendance of Mr. Paul Sanders, Special Assistant to the Honourable Charles Mayer, at almost every meeting.

The sub-committee established in June, 1987, to conduct a full review of the Canadian Wheat Board's quota system presented its preliminary report to the Advisory Committee on February 12, 1988. The Committee endorsed this report in principle and decided it should be made available to the public for discussion. After further discussion of the quota review proposal at the District Meetings, the Committee agreed the proposal should be refined to incorporate some of the concerns expressed by producers. The Quota Review Committee was enlarged on June 27, 1988, to include Mr. K. D. Galloway.

The Committee also met with Mrs. Huband, Chairperson of the Forks National Historic Park Sculpture Competition, to discuss the funding for a sculpture which is to represent the development of agriculture in Western Canada at the Forks National Historic Park. After further deliberation, the Committee agreed to recommend that the Board provide funds from the Special Account for the sculpture.

For the twelfth consecutive year, meetings were held by the Wheat Board in the various Committee districts. Two half-day meetings were held in each District, with the exception of District 11 which had four meetings because of its larger area. One of the major issues at the meetings was the quota review proposal.

The District Meetings were held in the following locations:



District	Location	1988 Date
1	Arborg, Manitoba .....	March 23
	Morris, Manitoba.....	March 9
2	Brandon, Manitoba .....	March 10
	Russell, Manitoba .....	March 11
3	Estevan, Saskatchewan.....	March 16
	Kipling, Saskatchewan.....	March 17
4	Ituna, Saskatchewan .....	March 23
	Buchanan, Saskatchewan .....	March 24
5	Prince Albert, Saskatchewan .....	March 21
	Tisdale, Saskatchewan .....	March 22
6	Lumsden, Saskatchewan .....	March 14
	Lanigan, Saskatchewan .....	March 23
7	Gravelbourg, Saskatchewan.....	March 15
	Assiniboia, Saskatchewan .....	March 15
8	Lloydminster, Saskatchewan .....	March 10
9	Oyen, Alberta .....	March 30
	Bassano, Alberta .....	March 29
10	Camrose, Alberta .....	March 9
	St. Albert, Alberta .....	March 9
11	Fort St. John, British Columbia .....	March 14
	Sexsmith, Alberta .....	March 16
	Falher, Alberta .....	March 15
	Smoky Lake, Alberta .....	March 17

The Board would like to express its appreciation to the Committee for having, as always, provided dedicated assistance and guidance during the 1987-88 crop year.



# PART VI FINANCIAL RESULTS AND NOTES TO FINANCIAL STATEMENTS



The Financial Statements of the Canadian Wheat Board including notes thereto for the crop year under review are presented in this section of the report. These statements consist of the Balance Sheet (Exhibit I), which sets forth the financial position of the Board as at July 31, 1988, together with other statements (Exhibits II to X) showing the results of Board operations for the year, all as tabulated in the index preceding the financial statements.

The practice of the Board is to include in its accounts at July 31, the final operating results of pool accounts

when marketing operations have been completed before the issuance of the annual report. Operations on the 1987 - 88 Pool Accounts for wheat, amber durum wheat, oats, designated oats, barley and designated barley were completed on September 30, 1988. Details of the final operating results of these pool accounts with commentary thereon are presented in this section of the report.

Although the basic measurement for grain has been the "tonne" since February 1, 1978, for your information a tonne equals 36.74371 bushels of wheat, 64.84183 bushels of oats or 45.92963 bushels of barley.

TABLE A

## STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION TO PRODUCERS ON THE 1987-88 POOL ACCOUNT—WHEAT For the period August 1, 1987 to September 30, 1988 with prior year figures for the 1986-87 Pool Account for comparison

	1987-88 Pool Account		1986-87 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
Receipts from Producers	15 476 040 tonnes		18 555 981 tonnes	
Sales value .....	\$2,059,496,820	\$133.076	\$2,257,843,835	\$121.677
Initial payments to producers .....	1,744,509,029	112.723	2,150,584,269	115.897
Gross Surplus .....	314,987,791	20.353	107,259,566	5.780
Deduct Operating Costs:				
Carrying charges:				
Country elevators .....	37,105,198	2.398	49,772,667	2.682
Terminal storage .....	16,037,805	1.036	16,582,309	.894
Total Carrying Charges .....	53,143,003	3.434	66,354,976	3.576
Bank interest & net interest on other				
Board accounts .....	(17,785,610)	(1.149)	(6,375,164)	(.344)
Demurrage .....	(265,409)	(.017)	1,770,643	.095
Additional freight — to terminals .....	10,542,410	.681	8,749,488	.472
— freight rate change .....	(1,513,861)	(.098)	825,363	.045
Handling & stop-off .....	1,080,148	.070	(99,389)	(.005)
Drying .....	52,664	.003	3,724,128	.201
Interest and depreciation on Wheat				
Board hopper cars .....	4,737,960	.306	7,150,182	.385
Wheat Board administrative expenses .....	20,007,806	1.293	17,130,832	.923
Total Operating Costs .....	69,999,111	4.523	99,231,059	5.348
Surplus on Operations .....	244,988,680	15.830	8,028,507	.432
Add: Interest earned after September 30 (1986-87 October 31) .....	6,814,351	.440	132,913	.007
Deduct: Cost of issuing final payment .....	136,272	.008	42,447	.002
Surplus for Distribution to Producers .....	\$ 251,666,759	\$ 16.262	\$ 8,118,973	\$ .437



## POOL ACCOUNT — WHEAT

### Initial Payments

At the beginning of the crop year the Board was authorized to purchase wheat from producers at a fixed initial price of \$110.00 per tonne for No. 1 Canada Western Red Spring. Effective April 18, 1988, the initial price for No. 1 Canada Western Red Spring was increased to \$120.00 per tonne.

### Supplies of Wheat

Supplies of wheat in the 1987-88 Pool were 16 103 701 tonnes, comprised of 15 476 040 tonnes delivered by producers, 63 218 tonnes acquired from other than producers and 564 443 tonnes purchased from the previous pool.

### Grade Pattern

Deliveries of grain to the 1987-88 Pool Account were of significantly better quality compared with receipts in the previous pool. Deliveries of Nos. 1 and 2 Canada Western Red Spring totaled 11.594 million tonnes or 74.92 per cent of total receipts, while No. 3 Canada Western Red Spring receipts of 3.163 million tonnes

amounted to 20.44 per cent of total receipts. Deliveries of Utility grades including Canada Western Feed amounted to .720 million tonnes or 4.64 per cent of total producer deliveries. Approximately .82 per cent of producer deliveries graded tough while .02 per cent graded damp compared to 6.03 per cent grading tough and .24 per cent grading damp in the previous year.

### Final Statement of Operations and Surplus for Distribution to Producers — Wheat — Table A

Marketing operations on the Pool Account for wheat resulted in an operating surplus of \$244,988,680. After allowing for the cost of issuing the final payment and adding estimated interest earnings subsequent to September 30, 1988, the net surplus for distribution to producers amounted to \$251,666,759. This amount represents an average of \$16.262 on producer deliveries of 15 476 040 tonnes. Table B shows the total price realized by producers for No. 1 CW Red Spring at \$134.019 compared to \$130.00 for the previous pool.

### OPERATING COSTS

Operating costs incurred applicable to the pool were \$69,999,111 or \$4.523 per tonne. Details of the principal costs and comment thereon follows:

TABLE B

### PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF WHEAT BASIS IN STORE THUNDER BAY OR VANCOUVER

Grade	Initial Payments	Final Payments (Dollars per Tonne)	Total
<b>Red Spring Wheat Grades</b>			
No. 1 Canada Western Red Spring .....	\$120.00	\$14.019	\$134.019
No. 1 Canada Western Red Spring 13.5 .....	122.21	19.596	141.806
No. 2 Canada Western Red Spring .....	114.21	13.661	127.871
No. 2 Canada Western Red Spring 13.5 .....	115.21	18.809	134.019
No. 3 Canada Western Red Spring .....	100.21	15.571	115.781
No. 1 Canada Western Utility .....	99.21	25.661	124.871
No. 2 Canada Western Utility .....	87.21	18.661	105.871
No. 1 Canada Prairie Spring .....	90.21	25.571	115.781
No. 2 Canada Prairie Spring .....	86.21	27.571	113.781
Canada Western Feed .....	80.00	13.731	93.731
No. 1 Canada Western Red Winter .....	99.21	16.571	115.781
No. 2 Canada Western Red Winter .....	97.21	16.571	113.781
No. 1 Canada Western Soft White Spring .....	100.00	16.781	116.781
No. 2 Canada Western Soft White Spring .....	97.00	18.781	115.781



### **Carrying Charges — \$53,143,003**

Total carrying charges incurred by the Board, including storage and interest charges on wheat in country elevators and storage on wheat in terminal elevators, amounted to \$53,143,003 or \$3.434 per tonne.

### **Bank Interest and Net Interest on Other Board Accounts — (\$17,785,610)**

This amount consists mainly of bank interest and interest paid to, or received from, other Board accounts. Interest earned exceeded interest paid by \$17,785,610 or \$1.149 per tonne.

### **Additional Freight — to Terminals — \$10,542,410 — Freight Rate Change — (\$1,513,861)**

During the crop year the Board paid \$10,542,410 of additional freight arising out of the movement of grain in adverse direction.

With the abolition of the Crows Nest Pass freight rate on December 31, 1983, freight rates are reviewed annually under the Western Grain Transportation Act. On August 1, 1988, freight rates increased by a net amount of approximately \$.75 per tonne. Normally this increase in rates would result in the Board paying additional freight on its country stocks. However, since the Board's country stocks were over-delivered as at July 31, 1988, the increase in rates resulted in the Board collecting the additional freight on its over-delivered position.

### **Drying Charges — \$52,664**

Drying charges for 1987-88 totaled \$52,664, a very significant decrease from the previous year, reflecting the substantially lower quantities of tough and damp grain delivered to the pool under review.

### **Interest and Depreciation on Wheat Board Hopper Cars — \$4,737,960**

Costs for the use of the Board's 2,000 hopper cars include depreciation and interest. Hopper car expenses attributable to the 1987-88 Wheat Account totaled \$4,737,960 compared to \$7,150,182 for the previous pool.

## **POOL ACCOUNT — AMBER DURUM WHEAT**

### **Initial Payments**

At the beginning of the crop year the Board was authorized to purchase Amber Durum Wheat from producers at a fixed initial price of \$110.00 per tonne for No. 1 Canada Western Amber Durum Wheat. Effective April 18, 1988, the initial price for No. 1 Canada Western Amber Durum was increased to \$125.00 per tonne.

### **Supplies of Amber Durum Wheat**

Supplies of amber durum wheat in the 1987-88 Pool were 3 344 639 tonnes, comprised of 2 708 407 tonnes delivered by producers, 15 104 tonnes acquired from other than producers and 621 128 tonnes purchased from the previous pool.

### **Grade Pattern**

Receipts of Nos. 1, 2 and 3 Canada Western Amber Durum totaled 2.458 million tonnes or 90.74 per cent of total producer deliveries. Approximately 1.46 per cent of producer deliveries graded tough while .10 per cent graded damp.

### **Final Statement of Operations and Surplus for Distribution to Producers — Amber Durum Wheat — Table C**

Table C shows the operating results of the Pool Account for the crop year. Marketing operations resulted in a surplus of \$104,400,100. Operating expenses totaled \$14,167,024 for the year or \$5.231 per tonne. The principal cost was carrying charges amounting to \$11,834,197 or \$4.370 per tonne. After allowing for the cost of issuing the final payment and estimated interest earnings subsequent to September 30, 1988, the net surplus for distribution to producers was \$107,271,961. This amount represents an overall average of \$39.607 per tonne on producer deliveries of 2 708 407 tonnes. Table D shows the total payment received by producers for the principal grades of Amber Durum Wheat delivered during the crop year. This table shows the total price realized by producers for No. 1 Canada Western Amber Durum Wheat of \$169.359 per tonne, compared to \$150.204 per tonne for the previous pool.





**TABLE C**

**STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION TO PRODUCERS  
ON THE 1987-88 POOL ACCOUNT—AMBER DURUM WHEAT  
For the period August 1, 1987 to September 30, 1988  
with prior year figures for the 1986-87 Pool Account for comparison**

	1987-88 Pool Account		1986-87 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
<b>Receipts from Producers</b>	<b>2 708 407 tonnes</b>		<b>2 865 836 tonnes</b>	
Sales value .....	\$439,928,513	\$162.431	\$407,204,103	\$142.089
Initial payments to producers .....	321,361,389	118.653	343,855,111	119.934
Gross Surplus .....	<u>118,567,124</u>	<u>43.778</u>	<u>63,348,992</u>	<u>22.105</u>
<b>Deduct Operating Costs:</b>				
Carrying charges:				
Country elevators .....	9,140,017	3.375	9,493,349	3.313
Terminal storage .....	<u>2,694,180</u>	<u>.995</u>	<u>4,496,472</u>	<u>1.569</u>
Total Carrying Charges .....	11,834,197	4.370	13,989,821	4.882
Interest .....	(1,452,155)	(.536)	(570,302)	(.199)
Demurrage .....	(925,436)	(.342)	839,952	.293
Additional freight — to terminals .....	493,233	.182	332,687	.116
— freight rate changes .....	(116,671)	(.043)	234,532	.082
Handling & stop-off .....	2,262	.001	(145,302)	(.051)
Drying .....	926	—	168,588	.059
Interest and depreciation on Wheat				
Board hopper cars .....	829,173	.306	1,104,293	.385
Wheat Board administrative expenses .....	<u>3,501,495</u>	<u>1.293</u>	<u>2,645,732</u>	<u>.923</u>
Total Operating Costs .....	<u>14,167,024</u>	<u>5.231</u>	<u>18,600,001</u>	<u>6.490</u>
Surplus on Operations .....	104,400,100	38.547	44,748,991	15.615
Add: Interest earned after September 30 (1986-87 October 31) .....	2,903,885	1.072	740,827	.258
Deduct: Cost of issuing final payment .....	<u>32,024</u>	<u>.012</u>	<u>40,836</u>	<u>.014</u>
Surplus for Distribution to Producers .....	<u>\$107,271,961</u>	<u>\$39.607</u>	<u>\$ 45,448,982</u>	<u>\$ 15.859</u>

**TABLE D**

**PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF AMBER DURUM WHEAT  
BASIS IN STORE THUNDER BAY OR VANCOUVER**

Grade	Initial Payments	Final Payments (Dollars per Tonne)	Total
<b>Amber Durum Wheat Grades</b>			
No. 1 Canada Western Amber Durum .....	\$125.00	\$44.359	\$169.359
No. 2 Canada Western Amber Durum .....	122.00	42.210	164.210
No. 3 Canada Western Amber Durum .....	120.00	39.068	159.068
No. 4 Canada Western Amber Durum .....	95.00	32.472	127.472
No. 5 Canada Western Amber Durum .....	85.00	8.732	93.732



## POOL ACCOUNT -- OATS

Commencing August 1, 1981, as authorized by Order-in-Council, oats selected and accepted from producers for use in processing and milling for human consumption, has been set up in a separate pool under the caption "Designated Oats". As a result, the transactions described here consist mainly of marketing results related to feeding grades of oats.

## Initial Payments

At the beginning of the crop year the Board was authorized to purchase oats from producers at a fixed initial price of \$55.00 per tonne for No. 1 Feed Oats. The initial price was increased to \$80.00 per tonne on October 23, 1987, and once again on April 18, 1988, to \$90.00 per tonne.

TABLE E

### STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION TO PRODUCERS ON THE 1987-88 POOL ACCOUNT—OATS For the period August 1, 1987 to September 30, 1988 with prior year figures for the 1986-87 Pool Account for comparison

	1987-88 Pool Account		1986-87 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
Receipts from Producers	256 132 tonnes		254 144 tonnes	
Sales value .....	\$33,376,896	\$130.311	\$25,404,669	\$99.962
Initial payments to producers .....	23,100,925	90.191	18,936,141	74.510
Gross Surplus .....	10,275,971	40.120	6,468,528	25.452
Deduct Operating Costs:				
Carrying charges:				
Country elevators .....	539,261	2.105	696,193	2.739
Terminal storage .....	602,275	2.352	589,322	2.319
Total Carrying Charges .....	1,141,536	4.457	1,285,515	5.058
Interest .....	(149,220)	(.583)	(59,352)	(.233)
Demurrage .....	47,455	.185	(6,196)	(.024)
Additional freight — to terminals .....	272,321	1.063	243,254	.957
— freight rate changes .....	(2,263)	(.009)	17,779	.070
Handling and Stop-off .....	1,023	.004	—	—
Drying Charges .....	4,133	.016	12,903	.051
Interest & depreciation on Wheat				
Board hopper cars .....	85,409	.334	97,929	.385
Wheat Board administrative expenses .....	331,134	1.293	234,625	.923
Total Operating Costs .....	1,731,528	6.760	1,826,457	7.187
Surplus on Operations .....	8,544,443	33.360	4,642,071	18.265
Add: Interest earned after September 30 (1986-87 October 31) .....	237,663	.928	76,850	.302
Deduct: Cost of issuing final payment .....	8,403	.033	12,404	.048
Surplus for Distribution to Producers .....	\$ 8,773,703	\$34.255	\$ 4,706,517	\$18.519





## Supplies and Grade Pattern

Supplies in the regular Feed Oats Pool were 326 803 tonnes, comprised of 256 132 tonnes delivered by producers, 386 tonnes acquired from other than producers

and 70 285 tonnes purchased from the previous pool. Deliveries of Nos. 1 and 2 Canada Western Oats comprised 1.18 per cent of producer deliveries with feeding grades constituting the remaining 98.82 per cent of total receipts. Board receipts of tough and damp oats made up .39 per cent of deliveries.

TABLE F

### PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF OATS BASIS IN STORE THUNDER BAY OR VANCOUVER

Grade	Initial Payments	Final Payments (Dollars per Tonne)	Total
<b>Oats Grades</b>			
No. 1 Canada Western .....	\$96.00	\$40.538	\$136.538
No. 2 Canada Western .....	94.00	40.538	134.538
Extra No. 1 Feed .....	92.00	36.038	128.038
No. 1 Feed .....	90.00	34.038	124.038
No. 2 Feed .....	85.90	25.638	111.538

TABLE G

### STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION TO PRODUCERS ON THE 1987-88 POOL ACCOUNT—DESIGNATED OATS For the period August 1, 1987 to September 30, 1988 with prior year figures for the 1986-87 Pool Account for comparison

	1987-88 Pool Account		1986-87 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
Receipts from Producers	76 321 tonnes		55 386 tonnes	
Sales value .....	\$10,464,244	\$137.108	\$7,178,918	\$129.617
Initial payments to producers .....	9,261,146	121.344	7,037,675	127.067
Gross Surplus .....	1,203,098	15.764	141,243	2.550
<b>Deduct Operating Costs:</b>				
Interest and bank charges .....	(86,990)	(1.140)	(27,400)	(.494)
Interest & depreciation on Wheat Board hopper cars .....	25,450	.334	21,342	.385
Wheat Board administrative expenses .....	98,670	1.293	51,132	.923
Total Operating Costs .....	37,130	.487	45,074	.814
Surplus on Operations .....	1,165,968	15.277	96,169	1.736
Add: Interest earned after September 30 (1986-87 October 31) .....	32,431	.425	1,592	.029
Deduct: Cost of issuing final payment .....	1,135	.015	1,309	.023
Surplus for Distribution to Producers .....	\$ 1,197,264	\$ 15.687	\$ 96,452	\$ 1.742



## Final Statement of Operations and Surplus for Distribution to Producers — Oats — Table E

Table E shows the operating results of the Pool Account for the 1987-88 crop year. Marketing operations resulted in a surplus of \$8,544,443. Operating expenses totaled \$1,731,528 or \$6.760 per tonne. The principal cost was carrying charges amounting to \$1,141,536 or \$4.457 per tonne. After allowing for the cost of issuing the final payment and estimated interest earnings subsequent to September 30, 1988, the net surplus for distribution to producers was \$8,773,703 which represents an overall average of \$34.255 per tonne on producer deliveries of 256 132 tonnes. Table F shows the total payment received by producers for the principal grades of oats delivered during the crop year.

### POOL ACCOUNT — DESIGNATED OATS

Commencing August 1, 1981, as authorized by Order-in-Council, oats selected and accepted from producers for use in processing and milling for human consumption, has been set up in a separate account. This account has been labeled "Designated Oats" and the results of operations on this account with comment thereon are contained in this section of the report.

### Initial Payments

At the beginning of the crop year the Board was authorized to purchase designated oats from producers at fixed initial prices of \$100.00 and \$98.00 per tonne for Nos. 1 and 2 Canada Western Oats respectively and \$94.00 per tonne for No. 1 Feed Oats. Initial prices were increased on October 26, 1987, to \$125.00 and \$123.00 per tonne for Nos. 1 and 2 Canada Western Oats respectively and \$119.00 per tonne for No. 1 Feed Oats.

## Supplies and Grade Pattern

Supplies of oats in the Designated Pool were 76 321 tonnes representing deliveries to the Board by producers during the crop year of oats which were selected and accepted by purchasers for use in processing and milling for human consumption. Receipts of Nos. 1 and 2 Canada Western Oats totaled 39 334 tonnes or 51.54 per cent of total deliveries. Feeding grades totaled 36 987 tonnes or 48.46 per cent of total receipts.

## Final Statement of Operations and Surplus for Distribution to Producers — Designated Oats — Table G

Table G shows the operating results of this Pool Account for the crop year. Marketing operations resulted in a surplus of \$1,165,968. As to operating costs, it should be noted that the Designated Oats Pool, by its very nature does not incur the handling expenses normally related to feeding grades of oats. It is not stored by the Board, being selected by the purchaser and shipped at his request from farm to processing plant via the country elevator. As a result, the only expenses attributable to such oats were costs related to hopper cars owned by the Wheat Board and administrative charges totaling \$124,120 or \$1.627 per tonne. These expenses were reduced by interest earnings of \$86,990 or \$1.140 per tonne on the accumulating surplus in the pool. After providing for the cost of issuing the final payment and adding estimated interest earnings subsequent to September 30, 1988, the net surplus for distribution to producers was \$1,197,264 or \$15.687 per tonne on producer deliveries of 76 321 tonnes. Table H shows the total payments received by producers for the principal grades of designated oats delivered during the crop year.

**TABLE H**  
**PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF DESIGNATED OATS**  
**BASIS IN STORE THUNDER BAY OR VANCOUVER**

Grade	Initial Payments	Final Payments (Dollars per Tonne)	Total
<b>Oats Grades</b>			
No. 1 Canada Western .....	\$125.00	\$18.593	\$143.593
No. 2 Canada Western .....	123.00	18.593	141.593
Extra No. 1 Feed .....	121.00	15.707	136.707
No. 1 Feed .....	119.00	12.093	131.093



**TABLE I**

**STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION TO PRODUCERS  
ON THE 1987-88 POOL ACCOUNT—BARLEY**  
**For the period August 1, 1987 to September 30, 1988**  
with prior year figures for the 1986-87 Pool Account for comparison

	1987-88 Pool Account		1986-87 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
Receipts from Producers	<u>2 224 961 tonnes</u>		<u>5 428 259 tonnes</u>	
Sales value.....	\$169,959,254	\$76.388	\$362,974,021	\$ 66.867
Initial payments to producers .....	144,895,122	64.838	431,547,502	79.500
Gross Surplus (Deficit) .....	<u>25,564,132</u>	<u>11.490</u>	<u>(68,573,541)</u>	<u>(12.633)</u>
Deduct Operating Costs:				
Carrying charges:				
Country elevators .....	639,467	.288	8,767,644	1.615
Terminal storage .....	1,279,713	.575	1,725,059	.318
Total Carrying Charges .....	<u>1,919,180</u>	<u>.863</u>	<u>10,492,703</u>	<u>1.933</u>
Interest .....	(2,940,186)	(1.322)	3,365,236	.620
Demurrage .....	2,678,089	1.204	448,507	.083
Additional freight — to terminals .....	864,102	.388	986,917	.182
— freight rate changes.....	(359,295)	(.161)	212,161	.039
Handling and stop-off .....	7,554	.003	(21,312)	(.004)
Drying .....	31,258	.014	1,383,103	.255
Interest & depreciation on Wheat				
Board hopper cars .....	681,168	.306	2,091,673	.385
Wheat Board administrative expenses .....	<u>2 878 485</u>	<u>1.293</u>	<u>5,011,355</u>	<u>.923</u>
Total Operating Costs .....	<u>5,758,355</u>	<u>2.588</u>	<u>23,970,343</u>	<u>4.416</u>
Surplus (Deficit) on Operations.....	19,805,777	8.902	<u>\$(92,543,884)</u>	<u>\$:17.044</u>
Add: Interest earned after September 30 .....	550,897	.248		
Deduct: Cost of issuing final payment .....	<u>38,838</u>	<u>.018</u>		
Surplus for Distribution to Producers.....	<u>\$ 20,317,836</u>	<u>\$9.132</u>		

**TABLE J**

**PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF BARLEY  
BASIS IN STORE THUNDER BAY OR VANCOUVER**

Grade	Initial Payments	Final Payments	Total
		(Dollars per Tonne)	
<b>Barley Grades</b>			
No. 1 Canada Western .....	\$65.00	\$9.082	\$74.082
No. 2 Canada Western .....	62.00	11.082	73.082
Mixed Grain Canada Western Barley .....	52.45	9.082	61.532



TABLE K

**STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION TO PRODUCERS  
ON THE 1987-88 POOL ACCOUNT—DESIGNATED BARLEY**  
For the period August 1, 1987 to September 30, 1988  
with prior year figures for the 1986-87 Pool Account for comparison

	1987-88 Pool Account		1986-87 Pool Account	
	Rate per		Rate per	
	<u>Amount</u>	<u>Tonne</u>	<u>Amount</u>	<u>Tonne</u>
Receipts from Producers	<u>1 022 885 tonnes</u>		<u>1 035 883 tonnes</u>	
Sales value .....	\$149,710,238	\$146.361	\$147,718,010	\$142.601
Initial payments to producers.....	<u>130,135,153</u>	<u>127.224</u>	<u>164,254,027</u>	<u>158.564</u>
Gross Surplus (Deficit) .....	<u>19,575,085</u>	<u>19.137</u>	<u>(16,536,017)</u>	<u>(15.963)</u>
Deduct Operating Costs:				
Interest .....	(2,004,837)	(1.960)	(39,614)	(.037)
Demurrage .....	(128,420)	(.126)	118,395	.114
Interest & depreciation on Wheat				
Board hopper cars .....	341,086	.334	399,157	.385
Wheat Board administrative expenses.....	1,322,411	1.293	956,324	.923
Total Operating Costs .....	<u>(469,760)</u>	<u>(.459)</u>	<u>1,434,262</u>	<u>1.385</u>
Surplus (Deficit) on Operations .....	20,044,845	19.596	<u>\$(17,970,279)</u>	<u>\$(17.348)</u>
Add: Interest earned after September 30.....	557,547	.545		
Deduct: Cost of issuing final payment.....	<u>10,448</u>	<u>.010</u>		
Surplus for Distribution to Producers.....	<u>\$ 20,591,944</u>	<u>\$20.131</u>		

**POOL ACCOUNT — BARLEY**

Since August 1, 1975, as authorized by Order-in-Council, barley selected and accepted from producers for use in malting, pot or pearling, has been set up in a separate pool under the caption "Designated Barley". As a result, the transactions remaining in the Barley Pool Account described here consist mainly of marketing results related to feeding grades of barley.

**Initial Payments**

At the beginning of the crop year the Board was authorized to purchase barley from producers at fixed initial prices of \$60.00 and \$57.00 per tonne for Nos. 1 and 2 Canada Western Barley respectively. Effective April 18, 1988, the initial prices for Nos. 1 and 2 Canada Western Barley were increased to \$65.00 and \$62.00 respectively.

**Supplies and Grade Pattern**

Supplies in the regular Feed Barley pool were 2 259 557 tonnes comprised of 2 224 961 tonnes delivered by producers and 34 596 tonnes acquired from other than producers. Deliveries of Nos. 1 and 2 Canada Western Barley comprised 99.95 per cent of the producer deliveries in the pool. Board receipts of tough and damp barley made up .77 per cent of deliveries.

**Final Statement of Operations and  
Surplus for Distribution to Producers  
— Barley — Table I**

Table I shows the operating results of the Pool Account for the crop year. Marketing operations resulted in a surplus of \$19,805,777. Operating expenses totaled \$5,758,355 for the year or \$2.588 per tonne. The principal cost was carrying charges





TABLE L

**PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF DESIGNATED BARLEY  
BASIS IN STORE THUNDER BAY OR VANCOUVER**

<u>Grade</u>	<u>Initial Payments</u>	<u>Final Payments</u> (Dollars per Tonne)	<u>Total</u>
<b>Designated Barley Grades</b>			
Special Select Canada Western Two-Row .....	\$135.00	\$16.668	\$151.668
Special Select Canada Western Six-Row .....	125.00	20.668	145.668
Select Canada Western Two-Row .....	130.00	19.168	149.168
Select Canada Western Six-Row .....	120.00	23.168	143.168

amounting to \$1,919,180 or \$.863 per tonne. After allowing for the cost of issuing the final payment and estimated interest earnings subsequent to September 30, 1988, the net surplus for distribution to producers was \$20,317,836. This amount represents an overall average of \$9.132 per tonne on producer deliveries of 2 224 961 tonnes. Table J shows the total payment received by producers for the principal grades of Barley delivered during the crop year.

#### **POOL ACCOUNT — DESIGNATED BARLEY**

As stated previously, since August 1, 1975, as authorized by Order-in-Council, barley selected and accepted from producers for use in malting, pot or pearling, has been set up in a separate pool account. This account has been labeled "Designated Barley" and the results of operations on this account with comment thereon are contained in this section of the report.

##### **Initial Payments**

At the beginning of the crop year the Board was authorized to purchase Designated Barley from producers at a fixed initial price of \$105.00 per tonne for Special Select Canada Western Six-Row and \$115.00 per tonne for Special Select Canada Western Two-Row. Effective April 18, 1988, the initial prices for Special Select Canada Western Six-Row and Special Select Canada Western Two-Row were increased to \$125.00 and \$135.00 per tonne respectively.

##### **Supplies and Grade Pattern**

Supplies of barley in the designated pool were 1 022 885 tonnes representing deliveries to the Board

by producers during the crop year of barley which has been selected and accepted by purchasers for the use in malting, pot or pearling. Of these receipts 107 865 tonnes or 10.53 per cent were Special Select grades and 794 429 tonnes or 77.67 per cent were Select grades. Receipts of tough and damp grades totaled 12 877 tonnes or 1.26 per cent of total.

##### **Final Statement of Operations and Surplus for Distribution to Producers — Designated Barley — Table K**

Table K shows the operating results of this Pool Account for the crop year. Marketing operations resulted in a surplus of \$20,044,845. As to operating costs, it should be noted that the Designated Barley Pool by its very nature does not incur the handling expenses normally related to feeding grades of barley or other grains. It is not stored by the Board, being selected by the processor (buyer) from a producer's sample and is shipped on buyer's call directly from farm to processing plant via the country elevator. As a result the only expenses attributable to such barley were costs related to hopper cars owned by the Wheat Board, and administrative charges totaling \$1,663,497 or \$1.627 per tonne. These expenses were reduced by interest earnings and demurrage adjustments of \$2,133,257 or \$2.086 per tonne. After providing for the cost of issuing the final payment and adding estimated interest earnings subsequent to September 30, 1988, the net surplus for distribution to producers was \$20,591,944 or \$20.131 per tonne on producer deliveries of 1 022 885 tonnes. Table L shows the total payment received by producers for the principal grades of Designated Barley delivered during the crop year.





## NOTES TO FINANCIAL STATEMENTS

The following are an integral part of the financial statements.

### (1) ACCOUNTING POLICIES

#### (a) Operating Results and Valuation of Stocks of Grain

The annual accounts at July 31 include the final operating results of all pool accounts for the crop year ended July 31, when marketing operations have been completed before the issuance of the annual report for that year. In determining the financial results for such pools the accounts of the Board at July 31 include:

(i) the stocks of such grains on hand at that date at the values which were ultimately received from the sale thereof basis instore Thunder Bay, Vancouver or Churchill; and

(ii) provision for all expenses incurred or to be incurred before the sales proceeds are realized in cash or in bills of exchange, including a charge for the portion of administrative and general expenses to be incurred subsequent to July 31 but relating to the marketing and accounting for the grains in the various pools before they are closed.

For pool accounts for which marketing operations have not been completed before the issuance of the annual report, the unsold stocks at July 31 are valued at cost, which is the initial price paid to producers, and no provision is made for carrying costs, interest, and administrative expenses beyond that date. Any debit or credit balance in these accounts is carried on the balance sheet.

#### (b) Foreign Currency Translations

Bills of exchange receivable in United States funds which are covered by forward exchange contracts are translated at the contract rates. In all other cases, bills of exchange receivable and bank loans payable in United States funds are translated at the rate of exchange in effect as at the balance sheet date, as is also the liability for debentures repayable in United States funds.

Foreign exchange adjustments arising from conversion of bills of exchange and bank loans are included in operating results.

#### (c) Depreciation

The rates of depreciation being applied are intended to fully depreciate assets over their expected lives and are as follows:

Hopper cars .....	30 years
Office building .....	40 years
Office furniture and equipment ....	10 years
Automotive equipment .....	2 years
(to 1/3 residual value)	

#### (d) Administration and General Expenses

Administration and general expenses, except for that portion of such expenses attributable to distributing final payments to producers, are allocated to the various pool account operations to which the services relate on the basis of the relative tonnage. Expenses attributable to final payments are allocated on the basis of the number of producers receiving payments from the various pool accounts.

### (2) BILLS OF EXCHANGE PLUS ACCRUED INTEREST

Of the total bills of exchange receivable, \$1,477,962,712 (1987 — \$1,327,184,835) represents the Canadian equivalent of \$1,220,246,624 (1987 — \$1,000,139,288) repayable in United States funds.

The balances receivable arise from sales of grain to Algeria, Brazil, Bangladesh, Egypt, Ethiopia, Haiti, Iraq, Israel, Jamaica, Mexico, Peru, Poland and Zambia. The terms call for payment in full within 36 months or less from time of shipment, except for Brazil, Egypt, Haiti, Jamaica, Mexico, Peru, Poland and Zambia where the Board, together with the Canadian Government, have agreed to reschedule certain receivables beyond their original maturity dates. Terms of such reschedulings call for payment of interest and the rescheduled debt within ten years. As at July 31, 1988, total reschedulings amounted to \$2,899,020,752 including \$1,098,395,020 which is the Canadian equivalent of \$906,865,109 receivable in United States funds.



As at July 31, 1988, amounts due and not paid from Poland total \$605,228,340 which includes the Canadian equivalent of \$262,780,413 receivable in United States funds. In accordance with a multilateral arrangement reached between Poland and official creditors Poland is currently in the process of negotiating a further rescheduling of amounts due and not paid to December 31, 1987, and post maturity interest due and not paid thereon, on all prior rescheduling agreements. Under this arrangement the amounts due to mature in the year ending December 31, 1988, are also to be rescheduled. At year end the amounts which will be subject to this rescheduling total \$601,323,503 which includes the Canadian equivalent of \$259,716,132 receivable in United States funds.

During the crop year, ending July 31, 1986, the Government of Canada and other creditor nations agreed to a further deferral of certain Zambian obligations that had earlier been rescheduled. The bilateral agreement to reschedule payments due and not paid as at December 31, 1985, and due and not paid for the period January 1, 1986, to December 31, 1986, has yet to be negotiated. The accounts of the Board at July 31, 1988, include \$15,058,519 which may be subject to this rescheduling.

During the crop year the Board together with the Government of Canada concluded a bilateral rescheduling agreement with Egypt, rescheduling over a ten-year period certain obligations due and not paid as at December 31, 1986, and due and not paid for the period January 1, 1987, to June 30, 1988. The accounts of the Board at July 31, 1988, include \$146,585,214 which was subject to this rescheduling agreement.

During the crop year the Board together with the Government of Canada concluded a bilateral rescheduling agreement with Mexico rescheduling over a nine-year period certain obligations due and not paid during the period September 22, 1986, to December 31, 1987. The accounts of the Board at July 31, 1988, include \$5,982,629 which is the Canadian equivalent of \$4,939,423 receivable in United States funds which was subject to this rescheduling agreement.

Credit sales are made within limits established by the Government of Canada which guarantees the Board's borrowings incurred to finance such sales,

both as to principal and interest. Because of these Guarantees the Board does not consider itself to be at risk should any of the unpaid amounts prove to be uncollectable; therefore, no provision is made in its accounts with respect to the possibility of debtors defaulting on their obligations.

### (3) ACCOUNTS RECEIVABLE

Settlement on amounts due on completed sales as at July 31 were received shortly after that date. Sundry accounts receivable consists mainly of freight costs which are recovered on completed sales.

### (4) COVERED HOPPER CARS

The Board purchased 2,000 covered hopper cars in 1979-80 having an original cost of \$90,555,623. Of these 2,000 cars, 41 cars have been wrecked and dismantled leaving 1,959 still in the fleet having an original cost of \$88,699,232 with accumulated depreciation of \$25,133,846 to July 31, 1988. The Board is reimbursed for destroyed cars under an operating agreement with the Canadian National Railway.

### (5) DEFERRED CHARGES — TRADE

During the latter part of the crop year, because the initial prices in the crop year beginning August 1st were to be substantially higher, producers delivered significant quantities of grain to elevator companies which are Board agents and placed it on storage, to be sold to the agents after the beginning of the new crop year. The Board, in order to meet its sales commitments in the current crop year, purchased wheat, durum and barley which had been placed on storage, from some of its agents. In those instances, where some of the agents had delivered grain to the Board in excess of their purchases from producers during the current crop year, the agents had over-delivered their country liability to the Board. In the case of barley, the over-delivered stocks were also sold resulting in the barley pool being oversold at the end of the crop year.

The value of the over-deliveries totalled \$103,288,839 and has been recorded as an advance purchase of the 1988-89 crop. The over-sold barley position which resulted in net revenue of \$31,897,681 has been treated as an advance sale of the 1988-89 crop and netted against the advance



purchases. All other charges related to the over-delivered and over-sold positions have been appropriately adjusted between the pool accounts.

**(6) LIABILITY TO BANKS**

Details of liability to banks are as follows:

	July 31	
	1988	1987
Ordinary Operations	\$ 29,342,978	\$ 386,636,692
Loans to finance credit sales	3,581,450,759	3,465,262,727
	<u>\$3,610,793,737</u>	<u>\$3,851,899,419</u>

Of the total liability \$1,460,724,971 (1987 — \$1,325,582,645) represents the Canadian equivalent of \$1,206,014,672 (1987 — \$998,931,910) repayable in United States funds.

The Board's borrowings are guaranteed by the Government of Canada.

**(7) DEBENTURES PAYABLE**

Debentures with a face value of U.S. \$50,000,000 were issued on December 1, 1982, at a price of \$99.50 per \$100, and bore interest at 11 1/4% per annum payable each December 1. On April 15, 1988, the Board redeemed all the debentures and paid accrued interest to that date. A premium of one percent of principal was payable upon redemption.

**(8) LIABILITY TO AGENTS FOR GRAIN PURCHASED FROM PRODUCERS**

Grain companies acting in the capacity of agents of the Board accept deliveries from producers at country elevators and pay the producers on behalf of the Board based on the Board's initial price in effect. Settlement is not made by the Board for these purchases until delivery to the Board is completed by its agents at terminal or mill position. Liability to agents amounting to \$11,265,153 (1987 — \$658,389,287) represents the amount payable by the Board to its agents for 93 990 (1987 — 5 895 917) tonnes of grain on hand at country elevator points and in transit at July 31 for which delivery to and settlement by the Board is to be completed subsequent to year end date.

**(9) LIABILITY TO AGENTS FOR DEFERRED CASH TICKETS**

Grain companies as agents of the Board deposit with the Board in trust the proceeds of deferred cash

tickets issued for Board grain. These monies are returned to the grain companies to cover producer deferred cash tickets maturing predominately during the first days of the following calendar year.

**(10) ACCRUED EXPENSES AND ACCOUNTS PAYABLE**

This item principally comprises accrued carrying charges, storage, interest and transportation charges to July 31, 1988, together with all other unpaid sundry accounts as at the foregoing date. It also includes provisions for all charges relating to the marketing of Pool Accounts for wheat, amber durum wheat, oats, designated oats, barley and designated barley for the period from August 1, 1988, to completion of operations on September 30, 1988.

**(11) SPECIAL ACCOUNT — NET BALANCE OF UNDISTRIBUTED PAYMENT ACCOUNTS**

In accordance with the provision of Section 30 of the Canadian Wheat Board Act the Governor-in-Council may authorize the Board to transfer to a Special Account the unclaimed balances remaining in payment accounts which have been payable to producers for a period of six years or more. In addition to providing for payment of proper claims from producers against these old payment accounts, the Section further provides that these funds shall be used for purposes as the Governor-in-Council upon the recommendations of the Board may deem to be for the benefit of producers.

**(12) PROVISION FOR FINAL PAYMENT EXPENSES**

This item represents the balance of the Board's reserve for final payment expenses of pool accounts that have been closed. Six years after particular accounts have been closed, the remaining reserves for these pools are transferred to the special account by Order-in-Council.

**(13) LEASE COMMITMENTS**

The Board, as an agent of Her Majesty in Right of Canada, is the lessor of 2,000 covered hopper cars for the Government of Canada. All lease costs are recoverable from the Government and are not a charge to the operations of the Board. Total payments associated with leases in the year ended July 31, 1988, amounting to \$16,110,582 (1987 — \$16,970,573) have been recovered by the Board. Lease terms are for 20 and 25 years.



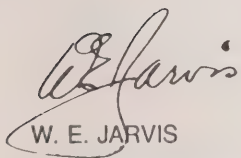


## ACKNOWLEDGEMENTS

The Board wishes to express its appreciation for the efforts that were made by the officers and employees of the country elevator companies, the railway companies, terminal elevator companies, export agents, lake vessel operators and all those who participated in the sale and shipment of Prairie grain.

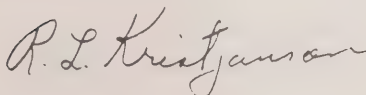
We would also like to record our appreciation for the loyal and conscientious services rendered by officers and staff of the Board.

This report is respectfully submitted.



W. E. JARVIS

Chief Commissioner



R. L. KRISTJANSON

Assistant Chief Commissioner



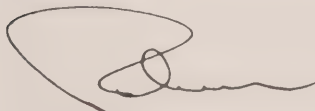
F. M. HETLAND

Commissioner



W. H. SMITH

Commissioner



R. H. KLASSEN

Commissioner





1 METRIC TONNE (For All Grains)

2,204.6226 pounds

1 Metric Tonne = Bushels

Wheat .....	36.743	710
Durum Wheat.....	36.743	710
Oats .....	64.841	841
Barley .....	45.929	638
Rye .....	39.368	261
Flaxseed .....	39.368	261
Canola .....	44.092	452
Corn.....	39.368	261



## INDEX TO FINANCIAL STATEMENTS

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Balance Sheet

### Exhibit II

Statement of Operations, 1987-88 Pool Account —  
Wheat

### Exhibit III

Statement of Operations, 1987-88 Pool Account —  
Amber Durum Wheat

### Exhibit IV

Statement of Operations, 1987-88 Pool Account —  
Oats

### Exhibit V

Statement of Operations, 1987-88 Pool Account —  
Designated Oats

### Exhibit VI

Statement of Operations, 1987-88 Pool Account —  
Barley

### Exhibit VII

Statement of Operations, 1987-88 Pool Account —  
Designated Barley

### Exhibit VIII

Statement of Administrative and General Expenses  
and Allocations to Operations for the Year ended  
July 31, 1988

### Exhibit IX

Statement of Advance Payments to Producers under  
the Prairie Grain Advance Payments Act

### Exhibit X

Statement of Special Account Transactions

## AUDITORS' REPORT

## NOTES:



## EXHIBIT I

### BALANCE SHEET AS AT JULY 31, 1988

(with prior year figures for comparison)

	1988	1987
<b>ASSETS</b>		
Stocks of grain:		
— Wheat .....	\$ 51,855,201	\$ 793,856,772
— Durum .....	119,446,586	153,585,284
— Oats .....	12,127,201	12,640,197
— Designated Oats .....	298,140	384,915
— Barley .....	—	88,731,182
— Designated Barley .....	14,530,982	21,915,448
	<u>198,258,110</u>	<u>1,071,113,798</u>
Bills of exchange plus accrued interest (Note 2) .....	3,572,718,038	3,466,552,320
Accounts receivable (Note 3)		
Amounts due on completed sales .....	23,425,755	39,083,941
Sundry .....	51,831,998	45,840,454
Prairie Grain Advance Payments Act .....	116,665,207	23,665,258
Due from the Government of Canada re deficit on Pool Account Operations:		
1986-87 Pool Account		
— Barley .....	—	92,543,884
— Designated Barley .....	—	17,970,279
The Canadian Wheat Board Building, Winnipeg, at cost less depreciation .....	1,721,640	1,831,777
Covered hopper cars, at cost less depreciation (Note 4) .....	63,568,184	66,759,624
Office furniture, equipment and automobiles, at cost less depreciation .....	977,190	1,010,834
Deferred charges -- Trade (Note 5) .....	71,391,158	—
Deferred and prepaid expenses .....	1,973,456	9,346,640
	<u>\$4,102,530,736</u>	<u>\$4,835,718,809</u>

# THE CANADIAN WHEAT BOARD



	1988	1987
LIABILITIES		
Liability to banks (Note 6)	\$3,610,793,737	\$3,851,899,419
Debentures payable (Note 7)	—	66,350,000
Liability to agents for grain purchased from producers (Note 8)	11,265,153	658,389,287
Liability to agents for deferred cash tickets (Note 9)	40,452,058	107,072,682
Accrued expenses and accounts payable (Note 10)	31,152,492	84,830,034
Outstanding adjustment and final payment cheques to producers:		
— Wheat	2,087,570	101,607
— Durum	600,940	32,858
— Oats	36,247	1,271
— Designated Oats	432	391
— Barley	165,107	35,300
— Designated Barley	154,752	22,565
Special Account—net balance of undistributed payment accounts (Note 11)	5,986,523	7,125,079
Provision for final payment expenses (Note 12)	885,912	2,342,578
Surpluses resulting from operations:		
Pool Account:		
— Wheat	244,988,680	8,028,507
— Durum	104,400,100	44,748,991
— Oats	8,544,443	4,642,071
— Designated Oats	1,165,968	96,169
— Barley	19,805,777	—
— Designated Barley	20,044,845	—
	<u>\$4,102,591,776</u>	<u>\$4,835,718,809</u>





## EXHIBIT II

### 1987-88 POOL ACCOUNT—WHEAT

For the period August 1, 1987, to completion of operations on September 30, 1988  
(with prior year figures for the 1986-87 Pool Account for comparison)

**Wheat acquired:**

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....

Net tonnes acquired from the adjustment of overages and shortages, etc., at country and  
terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver .....

Purchased from prior year Pool Account—Wheat .....

**Wheat sold:**

Completed sales to July 31 basis in store Thunder Bay, Vancouver or Churchill:

Domestic .....

Export .....

Weight losses in transit and in drying .....

Wheat stocks — being Wheat stocks on hand at July 31 stated at the ultimate value received  
from the sale thereof, basis in store Thunder Bay, Vancouver or Churchill:

Completed sales for the period subsequent to July 31:

Domestic .....

Export .....

Sale to the subsequent Pool Account—Wheat .....

Surplus on Wheat transactions .....

**Operating costs:**

Carrying charges:

Carrying charges on Wheat stored in country elevators .....

Storage on Wheat stored in terminal elevators .....

Interest, bank charges and net interest on other Board accounts .....

Demurrage .....

Additional freight— Wheat shipped from country stations to terminal position .....

— freight rate changes .....

Handling and stop-off on Wheat warehoused at interior terminals .....

Drying charges .....

Interest and depreciation on Wheat Board hopper cars .....

Wheat Board administrative and general expenses .....

Surplus on operations of the Board on the Pool Account—Wheat, for the period from  
August 1, 1987, to September 30, 1988 (1986-87 October 31, 1987) .....

# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

1987-88		1986-87	
Tonnes	Amount	Tonnes	Amount
15 476 040	\$1,744,509,029	18 555 981	\$2,150,584,269
63 217	6,959,936	178 783	19,921,478
564 443	68,458,164	1 861 457	244,206,898
<u>16 103 700</u>	<u>1,819,927,129</u>	<u>20 596 221</u>	<u>2,414,712,645</u>
957 760		916 987	
14 756 905		13 045 777	
2 279		19 039	
<u>15 716 944</u>	2,083,059,719	<u>13 981 803</u>	1,728,115,439
—		355 537	
386 756		5 694 438	
—		564 443	
<u>386 756</u>	51,855,201	<u>6 614 418</u>	793,856,772
<u>16 103 700</u>	<u>2,134,914,920</u>	<u>20 596 221</u>	<u>2,521,972,211</u>
	314,987,791		107,259,566
	37,105,198		49,772,667
	16,037,805		16,582,309
	53,143,003		66,354,976
	(17,785,610)		(6,375,164)
	(265,409)		1,770,643
	10,542,410		8,749,488
	(1,513,861)		825,363
	1,080,148		(99,389)
	52,664		3,724,128
	4,737,960		7,150,182
	20,007,806		17,130,832
	<u>69,999,111</u>		<u>99,231,059</u>
	<u>\$ 244,988,680</u>		<u>\$ 8,028,507</u>



## EXHIBIT III

### 1987-88 POOL ACCOUNT—AMBER DURUM WHEAT

For the period August 1, 1987, to completion of operations on September 30, 1988  
(with prior year figures for the 1986-87 Pool Account for comparison)

#### Durum acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....  
Net tonnes acquired from the adjustment of overages and shortages, etc., at country and  
terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver .....  
Purchased from prior year Pool Account—Durum .....

#### Durum sold:

Completed sales to July 31 basis in store Thunder Bay, Vancouver or Churchill:  
Domestic .....  
Export .....  
Weight losses in transit and in drying .....

Durum stocks—being Durum stocks on hand at July 31 stated at the ultimate value received  
from the sale thereof, basis in store Thunder Bay, Vancouver or Churchill:

Completed sales for the period subsequent to July 31:  
Domestic .....  
Export .....  
Sale to the subsequent Pool Account—Durum .....

Surplus on Amber Durum Wheat transactions .....

#### Operating costs:

Carrying charges:  
Carrying charges on Durum stored in country elevators .....  
Storage on Durum stored in terminal elevators .....

Interest and bank charges .....

Demurrage .....

Additional freight—Durum shipped from country stations to terminal position .....  
—freight rate changes .....

Handling and stop-off on Durum warehoused at interior terminals .....

Drying charges .....

Interest and depreciation on Wheat Board hopper cars .....

Wheat Board administrative and general expenses .....

Surplus on operations of the Board on the Pool Account—Durum, for the period from  
August 1, 1987, to September 30, 1988 (1986-87 October 31, 1987) .....

# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

1987-88		1986-87	
Tonnes	Amount	Tonnes	Amount
2 708 407	\$321,361,389	2 865 836	\$343,855,111
15 103	1,810,663	5 895	658,074
621 128	76,928,140	189 565	22,875,459
<u>3 344 638</u>	<u>400,100,192</u>	<u>3 061 296</u>	<u>367,388,644</u>
125 607		111 960	
2 548 938		1 770 302	
2 713		2 102	
<u>2 677 258</u>	399,220,730	<u>1 884 364</u>	277,152,352
36 432		41 559	
430 690		514 245	
200 258		621 128	
667 380	119,446,586	1 176 932	153,585,284
<u>3 344 638</u>	<u>518,667,316</u>	<u>3 061 296</u>	<u>430,737,636</u>
	<u>118,567,124</u>		<u>63,348,992</u>
	9,140,017		9,493,349
	<u>2,694,180</u>		<u>4,496,472</u>
	11,834,197		13,989,821
	(1,452,155)		(570,302)
	(925,436)		839,952
	493,233		332,687
	(116,671)		234,532
	2,262		(145,302)
	926		168,588
	829,173		1,104,293
	3,501,495		2,645,732
	<u>14,167,024</u>		<u>18,600,001</u>
	<u>\$104,400,100</u>		<u>\$ 44,748,991</u>





## EXHIBIT IV

### 1987-88 POOL ACCOUNT—OATS

For the period August 1, 1987, to completion of operations on September 30, 1988  
(with prior year figures for the 1986-87 Pool Account for comparison)

#### Oats acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....  
Net tonnes acquired from the adjustment of overages and shortages, etc., at country and  
terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver .....  
Purchased from prior year Pool Account—Oats .....

#### Oats sold:

Completed sales to July 31 basis in store Thunder Bay or Vancouver .....  
Weight losses in transit and in drying .....  
Oats stocks—being Oats stocks on hand at July 31 stated at the ultimate value received  
from the sale thereof, basis in store Thunder Bay or Vancouver:  
Completed sales for period subsequent to July 31 .....  
Sale to subsequent Pool Account—Oats .....

Surplus on Oats transactions.....

#### Operating costs:

Carrying charges:  
Carrying charges on Oats stored in country elevators.....  
Storage on Oats stored in terminal elevators .....

Interest and bank charges .....

Demurrage .....

Additional freight —Oats shipped from country stations to terminal position .....  
— freight rate changes .....

Handling and stop-off on Oats warehoused at interior terminals .....

Drying charges .....

Interest and depreciation on Wheat Board hopper cars .....

Wheat Board administrative and general expenses .....

Surplus on operations of the Board on the Pool Account—Oats, for the period from  
August 1, 1987, to September 30, 1988 (1986-87 October 31, 1987).....

# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

1987-88		1986-87	
Tonnes	Amount	Tonnes	Amount
256 132	\$23,100,925	254 144	\$18,936,141
386	33,409	397	42,958
70 285	8,865,289	28 990	2,199,808
<u>326 803</u>	<u>31,999,623</u>	<u>283 531</u>	<u>21,178,907</u>
251 141	30,148,393	178 261	15,007,238
20	—	47	—
43 067	6,209,051	34 938	3,774,908
32 575	5,918,150	70 285	8,865,289
<u>326 803</u>	<u>42,275,594</u>	<u>283 531</u>	<u>27,647,435</u>
	<u>10,275,971</u>		<u>6,468,528</u>
	539,261		696,193
	602,275		589,322
	1,141,536		1,285,515
	(149,220)		(59,352)
	47,455		(6,196)
	272,321		243,254
	(2,263)		17,779
	1,023		—
	4,133		12,903
	85,409		97,929
	331,134		234,625
	<u>1,731,528</u>		<u>1,826,457</u>
	<u>\$ 8,544,443</u>		<u>\$ 4,642,071</u>



## EXHIBIT V

### 1987-88 POOL ACCOUNT—DESIGNATED OATS

For the period August 1, 1987, to completion of operations on September 30, 1988  
(with prior year figures for 1986-87 Pool Account for comparison)

Designated Oats acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....

Designated Oats sold:

Completed sales to July 31 basis in store Thunder Bay or Vancouver .....

Designated Oats stocks—being Designated Oats stocks on hand at July 31 stated at the  
ultimate value received from the sale thereof, basis in store Thunder Bay or Vancouver:

Completed sales for the period subsequent to July 31 .....

Surplus on Designated Oats transactions .....

Operating costs:

Interest .....

Interest and depreciation on Wheat Board hopper cars .....

Wheat Board administrative and general expenses .....

Surplus on operations of the Board on the Pool Account—Designated Oats, for the period from  
August 1, 1987, to September 30, 1988 (1986-87 October 31, 1987) .....

# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

<u>1987-88</u>		<u>1986-87</u>	
<u>Tonnes</u>	<u>Amount</u>	<u>Tonnes</u>	<u>Amount</u>
<u>76 321</u>	<u>\$ 9,261,146</u>	<u>55 386</u>	<u>\$7,037,675</u>
74 434	10,166,104	52 367	6,794,003
<u>1 887</u>	<u>298,140</u>	<u>3 019</u>	<u>384,915</u>
<u>76 321</u>	<u>10,464,244</u>	<u>55 386</u>	<u>7,178,918</u>
	<u>1,203,098</u>		<u>141,243</u>
	(86,990)		(27,400)
	25,450		21,342
	98,670		51,132
	<u>37,130</u>		<u>45,074</u>
	<u>\$ 1,165,968</u>		<u>\$ 96,169</u>



## EXHIBIT VI

### 1987-88 POOL ACCOUNT—BARLEY

For the period August 1, 1987, to completion of operations on September 30, 1988  
(with prior year figures for the 1986-87 Pool Account for comparison)

Barley acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....  
Net tonnes acquired from the adjustment of overages and shortages, etc., at country and  
terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver .....  
Purchased from prior year Pool Account—Barley .....

Barley sold:

Completed sales to July 31 basis in store Thunder Bay, Vancouver or Churchill.....  
Weight losses in transit and in drying .....  
Barley stocks—being Barley stocks on hand at July 31 stated at the ultimate value received  
from the sale thereof, basis in store Thunder Bay, Vancouver or Churchill:  
Completed sales for the period subsequent to July 31 .....  
Sales to subsequent pool account—Barley .....

Surplus (Deficit) on Barley transactions .....

Operating costs:

Carrying charges:  
Carrying charges on Barley stored in country elevators .....  
Storage on Barley stored in terminal elevators .....

Interest and bank charges .....

Demurrage .....

Additional freight —Barley shipped from country stations to terminal position .....  
—freight rate changes .....

Handling and stop-off on Barley warehoused at interior terminals.....

Drying charges .....

Interest and depreciation on Wheat Board hopper cars .....

Wheat Board administrative and general expenses .....

Surplus (Deficit) on operations of the Board on the Pool Account—Barley, for the period  
from August 1, 1987, to September 30, 1988 (1986-87 October 31, 1987) .....



# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

1987-88		1986-87	
Tonnes	Amount	Tonnes	Amount
2 224 961	\$144,395,122	5 428 259	\$431,547,562
34 596	2,451,270	15 532	1,230,828
<u>2 259 557</u>	<u>146,846,392</u>	<u>5 443 791</u>	<u>432,778,390</u>
2 259 223	172,410,524	4 124 421	275,473,667
334	—	4 750	—
—	—	1 314 620	88,731,182
<u>2 259 557</u>	<u>172,410,524</u>	<u>5 443 791</u>	<u>364,204,849</u>
	<u>25,564,132</u>		<u>(68,573,541)</u>
	639,467		8,767,644
	<u>1,279,713</u>		<u>1,725,059</u>
	1,919,180		10,492,703
	(2,940,186)		3,365,236
	2,678,089		448,507
	864,102		986,917
	(359,295)		212,161
	7,554		(21,312)
	31,258		1,383,103
	681,168		2,091,673
	<u>2,876,485</u>		<u>5,011,355</u>
	<u>5,758,355</u>		<u>23,970,343</u>
	<u>\$ 19,805,777</u>		<u>\$(92,543,884)</u>



## EXHIBIT VII

### 1987-88 POOL ACCOUNT—DESIGNATED BARLEY

For the period August 1, 1987, to completion of operations on September 30, 1988  
(with prior year figures for the 1986-87 Pool Account for comparison)

Designated Barley acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....

Designated Barley sold:

Completed sales to July 31 basis in store Thunder Bay or Vancouver.....

Designated Barley stocks—being Designated Barley stocks on hand at July 31 stated at the  
ultimate value received from the sale thereof, basis in store Thunder Bay or Vancouver:

Completed sales for the period subsequent to July 31 .....

Surplus (Deficit) on Designated Barley transactions .....

Operating costs:

Interest.....

Demurrage .....

Interest and depreciation on Wheat Board hopper cars.....

Wheat Board administrative and general expenses .....

Surplus (Deficit) on operations of the Board on the Pool Account—Designated Barley, for the  
period from August 1, 1987, to September 30, 1988 (1986-87 October 31, 1987) .....

# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

1987-88		1986-87	
<u>Tonnes</u>	<u>Amount</u>	<u>Tonnes</u>	<u>Amount</u>
<u>1 022 885</u>	<u>\$130,135,153</u>	<u>1 035 883</u>	<u>\$164,254,027</u>
944 925	135,179,256	876 186	125,802,562
77 960	14,530,982	159 697	21,915,448
<u>1 022 885</u>	<u>149,710,238</u>	<u>1 035 883</u>	<u>147,718,010</u>
	19,575,085		(16,536,017)
	(2,004,837)		(39,614)
	(128,420)		118,395
	341,086		399,157
	<u>1,322,411</u>		<u>956,324</u>
	<u>(469,760)</u>		<u>1,434,262</u>
	<u>\$ 20,044,845</u>		<u>\$(17,970,279)</u>



## EXHIBIT VIII

### STATEMENT OF ADMINISTRATIVE AND GENERAL

For the year ended July 31, 1988 (with prior year figures for comparison)

	1987-88	1986-87
Salaries—Board members, officers and staff.....	\$15,586,850	\$15,091,466
Unemployment insurance, pension, group insurance, medical & other employee benefits .....	1,853,036	2,032,540
Manitoba Health and Education Tax .....	338,613	255,791
Advisory Committee—travelling expenses and per diem allowances .....	103,460	176,096
Rental & lighting of offices including maintenance of The Canadian Wheat Board Building .....	1,472,794	1,419,340
Telephones—exchange service & long distance calls .....	472,517	423,592
Telegrams, cables & telex expense.....	127,928	151,400
Postage.....	679,653	575,798
Printing, stationery & supplies .....	516,454	612,703
Annual report, mini report & "Grain Matters", etc.....	153,514	142,946
District meetings .....	20,064	18,429
Office expense .....	678,549	626,626
Travelling & transfer of staff.....	868,819	739,336
Travelling expenses—inspectors .....	223,467	178,144
Legal fees and court costs.....	26,371	37,301
Audit fees .....	98,500	91,000
Computing equipment—rental & sundries .....	3,136,099	2,628,148
Repair & upkeep of office machines & equipment.....	62,775	52,562
Grain market publications & services.....	116,863	109,226
The Canadian Wheat Board share of operating expenses of Canadian International Grains Institute .....	1,266,031	1,100,446
Bonds and insurance.....	39,175	42,712
Winnipeg Commodity Exchange dues.....	--	12,120
Depreciation on building, furniture, equipment & automobiles .....	372,051	334,808
	<u>\$28,213,583</u>	<u>\$26,852,530</u>

# THE CANADIAN WHEAT BOARD



## EXPENSES AND ALLOCATIONS TO OPERATIONS

Allocations to Operations:	1987-88	1986-87
1. Marketing of Producers' Grain		
1987-88 Pool Account—Wheat .....	\$10,462,893	
1987-88 Pool Account—Durum .....	1,831,074	
1987-88 Pool Account—Oats .....	173,164	
1987-88 Pool Account—Designated Oats .....	51,598	
1987-88 Pool Account—Barley .....	1,504,231	
1987-88 Pool Account—Designated Barley .....	691,542	
1986-87 Pool Account—Wheat .....	8,076,984	
1986-87 Pool Account—Durum .....	1,247,431	
1986-87 Pool Account—Oats .....	110,623	
1986-87 Pool Account—Designated Oats .....	24,108	
1986-87 Pool Account—Barley .....	2,362,794	
1986-87 Pool Account—Designated Barley .....	450,895	
	<u>26,987,337</u>	\$25,665,175
2. Distributing Final Payments to Producers		
(a) Wheat & Durum		
1986-87 Pool Account—Wheat .....	90,593	
1986-87 Pool Account—Durum .....	74,436	
1985-86 Pool Account—Durum .....	15,572	
1984-85 Pool Account—Wheat .....	1,390	
1984-85 Pool Account—Durum .....	188	
1983-84 Pool Account—Wheat .....	1,939	
1983-84 Pool Account—Durum .....	208	
1982-83 Pool Account—Wheat .....	1,013	
1982-83 Pool Account—Durum .....	138	
1981-82 Pool Account—Wheat .....	1,202	
1981-82 Pool Account—Durum .....	163	
	<u>186,902</u>	117,311
(b) Coarse Grains		
1986-87 Pool Account—Oats .....	24,759	
1986-87 Pool Account—Designated Oats .....	2,819	
1985-86 Pool Account—Designated Oats .....	1,161	
1985-86 Pool Account—Designated Barley .....	5,627	
1984-85 Pool Account—Oats .....	352	
1984-85 Pool Account—Designated Oats .....	63	
1984-85 Pool Account—Barley .....	837	
1984-85 Pool Account—Designated Barley .....	147	
1983-84 Pool Account—Oats .....	498	
1983-84 Pool Account—Designated Oats .....	88	
1983-84 Pool Account—Barley .....	1,168	
1983-84 Pool Account—Designated Barley .....	209	
1982-83 Pool Account—Oats .....	255	
1982-83 Pool Account—Designated Oats .....	46	
1982-83 Pool Account—Designated Barley .....	105	
1981-82 Pool Account—Designated Oats .....	360	
1981-82 Pool Account—Barley .....	724	
1981-82 Pool Account—Designated Barley .....	126	
	<u>39,344</u>	70,044
3. Allocation authorized by Order-in-Council from Special Account— Undistributed Payment Accounts in partial payment of Administrative and General Expense incurred in respect of the Prairie Grain Advance Payments Act .....	<u>1,000,000</u>	<u>1,000,000</u>
	<u>\$28,213,583</u>	<u>\$26,852,530</u>



# THE CANADIAN WHEAT BOARD



## EXHIBIT IX

### STATEMENT OF ADVANCE PAYMENTS TO PRODUCERS UNDER THE PRAIRIE GRAIN ADVANCE PAYMENTS ACT

As at July 31, 1988

	Cash Advances to Producers	Advances Repaid by Producers	Balance to be Refunded by Producers
1957-58 Crop Year	\$ 35,203,467	\$ 35,200,848	\$ 2,619
1958-59 Crop Year	34,369,653	34,366,768	2,885
1959-60 Crop Year	38,492,505	38,490,061	2,444
1960-61 Crop Year	63,912,550	63,905,058	7,492
1961-62 Crop Year	16,656,713	16,651,472	5,241
1962-63 Crop Year	29,251,526	29,245,974	5,552
1963-64 Crop Year	62,136,418	62,129,679	6,739
1964-65 Crop Year	32,961,844	32,955,727	6,117
1965-66 Crop Year	40,600,386	40,596,511	3,875
1966-67 Crop Year	36,668,270	36,664,915	3,355
1967-68 Crop Year	47,280,533	47,277,578	2,955
1968-69 Crop Year	151,852,319	151,771,480	80,839
1969-70 Crop Year	272,777,516	272,476,629	300,887
1970-71 Crop Year	91,105,890	91,076,244	29,646
1971-72 Crop Year	68,142,360	68,110,235	32,125
1972-73 Crop Year	20,754,104	20,743,234	10,870
1973-74 Crop Year	35,259,387	35,220,656	38,731
1974-75 Crop Year	46,635,399	46,609,707	25,692
1975-76 Crop Year	20,236,528	20,208,199	28,329
1976-77 Crop Year	130,592,220	130,478,652	113,568
1977-78 Crop Year	119,090,916	118,928,275	162,641
1978-79 Crop Year	151,316,450	151,199,105	117,345
1979-80 Crop Year	99,146,581	99,080,930	65,651
1980-81 Crop Year	61,640,150	61,598,537	41,613
1981-82 Crop Year	333,688,190	333,240,052	448,138
1982-83 Crop Year	309,022,755	308,206,500	816,255
1983-84 Crop Year	286,736,519	285,925,693	810,826
1984-85 Crop Year	201,289,320	200,353,424	935,896
1985-86 Crop Year	340,670,296	339,079,128	1,591,168
1986-87 Crop Year	642,511,850	638,921,777	3,590,073
1987-88 Crop Year	563,607,958	441,091,841	122,516,117
	<u>\$4,383,610,573</u>	<u>\$4,251,804,889</u>	
Balance to be refunded by Producers as at July 31, 1988			131,805,684
Add:			
Bank interest to July 31, 1988 payable by the Government of Canada		158,648,093	
Less: Amount paid to July 31, 1988		<u>157,646,694</u>	1,001,399
			132,807,083
Deduct:			
Balance of funds received to cover advance payments in default:			
Government of Canada		2,358,515	
Line Elevator Companies		95,124	
Interest received on default payments		<u>13,688,237</u>	16,141,876
Owing to The Canadian Wheat Board as at July 31, 1988			<u>\$116,665,207</u>

# THE CANADIAN WHEAT BOARD



## EXHIBIT X

### STATEMENT OF SPECIAL ACCOUNT TRANSACTIONS

For the year ended July 31, 1988

Balance of Special Account as at July 31, 1987..... \$7,125,079

Transfer to Special Account authorized by Order-in-Council P.C. 1988 - 1486 from the following:

1980 Wheat Payment Account.....	\$ 944,630	
1980 Durum Payment Account.....	39,779	
1980 Oats Payment Account.....	(13,461)	
1980 Barley Payment Account.....	462,910	
1980 Designated Barley Payment Account.....	184,602	
1970 Barley Adjustment Payment Account.....	121	1,618,581
		<u>8,743,660</u>

Expenditures:

Authorized by Order-in-Council No.	Description of Purpose	Unexpended as at July 31, 1987	Authorized Crop Year 1987-88	Unexpended as at July 31, 1988	Expended Crop Year 1987-88
P.C. 1988 - 1017	Market Development .....	\$ 191,263	\$ 250,000		
P.C. 1988 - 1487	.....		300,000	\$ 191,083	\$ 550,180
P.C. 1988 - 1488	Scholarship and Assistantship Program .....	37,330	267,670	41,735	263,265
P.C. 1988 - 263	General Promotion and Overseas Advertising .....	455,787	250,000	2	705,785
P.C. 1987 - 2591	Forks National Historic Park .....	—	50,000	50,000	—
P.C. 1987 - 1122	Canadian International Grains Institute—Capital Expenditures .....	123,984	—	86,591	37,393
P.C. 1986 - 1058	Prairie Grain Advance Payment Act—Administration .....	1,000,000	—	—	1,000,000
P.C. 1984 - 2690	Customer Mission Program.....	223,759	—	24,804	198,955
P.C. 1983 - 2003	Joint Policy Coordinating Committee of Canada and United States Wheat Producers .....	88,133	—	88,133	—
		<u>\$2,120,256</u>	<u>\$1,117,670</u>	<u>\$ 482,348</u>	<u>2,755,578</u>
					<u>5,988,082</u>

Less: Payments to producers against old payment accounts..... 1,559

Balance of Special Account as at July 31, 1988..... \$5,986,523

As at July 31, 1988, there were unexpended authorizations totalling \$482,348 leaving an unexpended balance of \$5,504,175 in the Account

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## AUDITORS' REPORT

To The Canadian Wheat Board:

We have examined the balance sheet of The Canadian Wheat Board as at July 31, 1988, and the statements of operations for the 1987-88 pool accounts for wheat, amber durum wheat, oats, designated oats, barley and designated barley for the period August 1, 1987 to completion of operations on September 30, 1988, the statement of administrative and general expenses and allocations to operations for the year ended July 31, 1988, the statement of advance payments to producers under the Prairie Grain Advance Payments Act as at July 31, 1988, and the statement of special account transactions for the year ended July 31, 1988. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests and other procedures as we considered necessary in the circumstances.

In our opinion, these financial statements present fairly the financial position of the Board as at July 31, 1988, and the results of operations for the periods shown, in accordance with generally accepted accounting principles consistently applied.



Chartered Accountants

March 14, 1989



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**TABLE I**  
**ACREAGE OF PRINCIPAL GRAINS IN THE WESTERN CANADIAN PROVINCES**  
**1964 TO 1988**

Crop Year	Wheat 000 acres	Durum 000 acres	All Wheat 000 acres	Oats 000 acres	Barley 000 acres	Rye 000 acres	Flaxseed <sup>2</sup> 000 acres	Canola <sup>3</sup> 000 acres	Total 000 acres
1964	27,427	1,773	29,200	5,136	5,325	637	1,918	791	43,007
1965	27,093	799	27,892	5,705	5,893	745	2,267	1,435	43,937
1966	28,229	1,064	29,293	5,491	7,160	674	1,885	1,525	46,028
1967	28,369	1,302	29,671	5,157	7,780	631	999	1,635	45,873
1968	26,648	2,370	29,018	5,418	8,500	622	1,503	1,056	46,117
1969	21,396	3,154	24,550	5,506	8,970	786	2,321	2,022	44,155
1970	9,010	3,065	12,075	5,320	9,480	767	3,300	4,074	35,016
1971	16,722	2,272	18,994	5,405	13,508	907	1,762	5,341	45,917
1972	17,755	3,160	20,915	4,723	12,050	583	1,320	3,318	42,909
1973	20,865	2,350	23,215	5,370	11,520	584	1,450	3,205	45,344
1974	18,720	2,850	21,570	4,865	11,370	804	1,450	3,160	43,219
1975	19,205	3,650	22,855	4,710	10,590	747	1,400	4,520	44,822
1976	23,665	3,500	27,165	4,738	10,302	550	800	1,778	45,333
1977	22,475	1,800	24,275	4,220	11,330	566	1,475	3,590	45,456
1978	22,020	3,650	25,670	3,460	10,060	733	1,300	6,980	48,203
1979	22,580	2,800	25,380	2,750	8,730	745	2,300	8,420	48,325
1980	23,760	3,300	27,060	2,706	10,950	686	1,370	5,140	47,912
1981	25,856	4,200	30,056	3,068	12,730	999	1,150	3,463	51,466
1982	26,950	3,650	30,600	3,170	11,875	997	1,550	4,390	52,582
1983	29,660	3,500	33,160	2,620	9,830	956	1,065	5,750	53,381
1984	27,710	4,150	31,860	2,680	10,395	815	1,780	7,610	55,140
1985	28,920	4,300	33,220	2,710	10,800	830	1,830	6,875	56,265
1986	29,750	4,560	34,310	2,610	10,810	721	1,865	6,430	56,746
1987	27,230	5,400	32,630	2,520	11,240	725	1,460	6,560	55,135
1988 <sup>1</sup>	25,375	5,650	31,025	2,720	9,210	561	1,350	8,960	53,826

<sup>1</sup>Subject to revision.

<sup>2</sup>Flaxseed acreage for British Columbia not available 1972 forward.

<sup>3</sup>Canola acreage for British Columbia not available 1964 to 1966.

Source: Statistics Canada.





**TABLE II**  
**YIELD OF PRINCIPAL GRAINS IN THE WESTERN CANADIAN PROVINCES**  
**1964 TO 1988**

Crop Year	Wheat kg per acre	Durum kg per acre	All Wheat kg per acre	Oats kg per acre	Barley kg per acre	Rye kg per acre	Flaxseed kg per acre	Canola kg per acre
1964	545	494	542	631	657	434	256	378
1965	622	546	621	743	766	561	317	356
1966	754	727	754	723	862	594	297	383
1967	533	422	528	591	666	427	228	344
1968	601	522	593	722	786	470	325	418
1969	728	716	727	760	856	437	305	376
1970	705	718	708	811	890	566	366	404
1971	744	671	735	836	930	577	322	406
1972	678	633	672	786	897	518	337	397
1973	685	600	678	796	851	566	340	382
1974	595	548	588	638	738	561	241	368
1975	730	646	716	763	856	651	317	407
1976	843	817	841	856	980	706	345	471
1977	784	709	778	848	1 004	650	442	550
1978	807	781	803	805	979	772	440	501
1979	644	643	644	770	973	627	354	405
1980	689	617	680	820	971	547	323	483
1981	810	709	796	840	1 006	833	407	530
1982	860	855	859	930	1 085	821	474	512
1983	775	749	772	826	945	775	417	453
1984	655	502	635	732	885	702	389	447
1985	729	455	694	822	976	613	493	504
1986	882	854	878	957	817	775	550	577
1987	774	743	769	969	1 119	628	499	582
1988 <sup>1</sup>	491	341	464	894	981	385	307	450

<sup>1</sup> Subject to revision.  
Source: Statistics Canada.



**TABLE III**  
**PRODUCTION OF PRINCIPAL GRAINS IN THE WESTERN CANADIAN PROVINCES**  
**1964 TO 1988**

Crop Year	Wheat 000 tonnes	Durum 000 tonnes	All Wheat 000 tonnes	Oats 000 tonnes	Barley 000 tonnes	Rye 000 tonnes	Flaxseed <sup>2</sup> 000 tonnes	Canola <sup>3</sup> 000 tonnes	Total 000 tonnes
1964	14 945	876	15 821	3 243	3 502	276	493	300	23 635
1965	16 842	436	17 278	4 241	4 518	418	722	513	27 690
1966	21 285	773	22 058	3 975	6 169	401	559	585	33 747
1967	15 129	550	15 679	3 046	5 178	268	229	563	24 963
1968	16 005	1 236	17 241	3 908	6 689	292	490	441	29 061
1969	15 578	2 259	17 837	4 190	7 670	343	706	760	31 506
1970	6 355	2 202	8 557	4 318	8 448	435	1 214	1 646	24 618
1971	12 446	1 524	13 970	4 522	12 571	523	567	2 166	34 319
1972	12 033	2 000	14 033	3 717	10 812	304	447	1 317	30 630
1973	14 294	1 410	15 704	4 270	9 798	328	493	1 224	31 817
1974	11 145	1 562	12 707	3 108	8 391	452	351	1 163	26 172
1975	14 013	2 357	16 370	3 596	9 051	486	444	1 839	31 786
1976	19 954	2 858	22 812	4 053	10 087	387	277	837	38 453
1977	17 622	1 276	18 898	3 580	11 380	368	653	1 973	36 852
1978	17 772	2 852	20 624	2 787	9 847	566	572	3 497	37 893
1979	14 557	1 799	16 356	2 117	7 899	467	815	3 411	31 065
1980	16 368	2 036	18 404	2 219	10 649	375	442	2 483	34 572
1981	20 945	2 977	23 922	2 578	12 804	832	468	1 837	42 441
1982	23 174	3 121	26 295	2 949	12 882	819	734	2 246	45 925
1983	22 976	2 620	25 596	2 165	9 286	741	444	2 602	40 834
1984	18 137	2 085	20 222	1 961	9 197	572	693	3 407	36 052
1985	21 089	1 957	23 046	2 227	11 061	509	902	3 467	41 212
1986	26 247	3 897	30 144	2 726	13 216	559	1 026	3 713	51 384
1987	21 076	4 014	25 090	2 442	12 580	455	729	3 817	45 113
1988 <sup>1</sup>	12 462	1 927	14 389	2 431	9 033	216	414	4 029	30 512

<sup>1</sup> Subject to revision.

<sup>2</sup> Flaxseed production for British Columbia not available 1972 forward.

<sup>3</sup> Canola production for British Columbia not available 1964 to 1966.

Source: Statistics Canada.



**TABLE IV**

**PRODUCERS' MARKETINGS — WESTERN CANADIAN GRAINS  
CROP YEARS 1963-64 TO 1987-88**

Crop Year	Wheat 000 tonnes	Durum 000 tonnes	All Wheat 000 tonnes	Oats 000 tonnes	Barley 000 tonnes	Rye 000 tonnes	Flaxseed 000 tonnes	Canola 000 tonnes	Total 000 tonnes
1963-64	14 284	1 191	15 475	767	2 002	202	441	170	19 057
1964-65	13 439	836	14 275	632	1 632	187	428	247	17 401
1965-66	14 967	529	15 496	798	2 044	306	602	426	19 672
1966-67	16 577	633	17 210	593	2 454	279	511	472	21 519
1967-68	11 922	489	12 411	475	1 901	176	202	454	15 619
1968-69	10 846	670	11 516	641	1 780	97	389	399	14 822
1969-70	10 158	1 089	11 247	322	3 667	193	561	646	16 636
1970-71	8 838	1 621	10 459	898	5 136	295	856	1 395	19 039
1971-72	11 945	2 139	14 084	499	6 433	395	548	1 584	23 543
1972-73	15 359	1 875	17 234	501	5 156	235	466	1 428	25 020
1973-74	13 294	1 302	14 596	614	5 118	189	391	993	21 901
1974-75	10 182	1 315	11 497	621	4 555	265	274	935	18 147
1975-76	11 993	2 307	14 300	794	4 686	321	395	1 399	21 895
1976-77	13 410	1 532	14 942	846	5 814	301	246	1 030	23 179
1977-78	17 275	1 835	19 110	764	5 237	256	494	1 759	27 620
1978-79	12 987	1 486	14 473	363	5 364	247	425	2 945	23 817
1979-80	16 795	1 909	18 704	319	5 408	449	675	2 928	28 483
1980-81	15 902	2 722	18 624	391	6 430	354	424	2 153	28 376
1981-82	17 064	2 607	19 671	503	7 505	617	377	1 991	30 664
1982-83	22 462	2 868	25 330	365	7 023	518	536	2 016	35 788
1983-84	20 749	2 273	23 022	407	6 690	691	381	2 264	33 455
1984-85	16 398	1 784	18 182	314	5 077	331	533	2 984	27 421
1985-86	19 277	1 691	20 968	320	6 435	238	689	2 926	31 576
1986-87	19 474	2 934	22 408	457	7 448	259	777	3 364	34 713
1987-88 <sup>1</sup>	20 054	3 239	23 293	599	5 747	261	602	3 336	33 838

<sup>1</sup> Subject to revision.

Source: Canadian Grain Commission for 1987-88.

All previous years — Statistics Canada "Grain Trade of Canada".

**TABLE V**

**PRIMARY ELEVATOR SHIPMENTS  
CROP YEARS 1972-73 TO 1987-88**

Crop Year	Wheat 000 tonnes	Durum 000 tonnes	All Wheat 000 tonnes	Oats 000 tonnes	Barley 000 tonnes	Rye 000 tonnes	Flaxseed 000 tonnes	Canola 000 tonnes	Total 000 tonnes
1972-73	15 061	1 853	16 914	589	4 662	290	507	1 239	24 201
1973-74	12 926	1 400	14 326	578	4 677	193	362	753	20 889
1974-75	11 173	1 577	12 750	528	4 838	213	279	679	19 287
1975-76	12 363	1 881	14 244	798	5 431	316	284	741	21 814
1976-77	13 384	1 704	15 088	942	5 232	265	317	1 035	22 879
1977-78	15 498	1 876	17 374	556	5 179	260	340	1 092	24 801
1978-79	13 508	1 478	14 986	353	5 680	219	466	1 863	23 567
1979-80	16 402	2 144	18 546	564	5 733	389	490	1 893	27 615
1980-81	15 988	2 500	18 488	406	5 740	450	508	1 280	26 872
1981-82	17 643	2 638	20 281	465	7 459	507	394	1 285	30 391
1982-83	21 089	2 871	23 960	368	6 815	388	382	1 228	33 141
1983-84	21 149	2 544	23 693	414	7 086	738	528	1 446	33 905
1984-85	17 803	1 933	19 736	303	4 551	346	490	1 757	27 183
1985-86	17 481	1 438	18 919	236	5 859	283	558	1 616	27 471
1986-87	19 849	2 550	22 399	445	7 508	197	625	2 148	33 322
1987-88 <sup>1</sup>	20 578	3 593	24 171	523	5 674	239	554	2 273	33 434

<sup>1</sup> Subject to revision.

Source: Canadian Grain Commission for 1987-88.

All previous years — Statistics Canada "Grain Trade of Canada".



**TABLE VI**  
**VESSEL SHIPMENTS OF PRINCIPAL GRAINS FROM THE LAKEHEAD**  
**CROP YEARS 1968-69 TO 1987-88**

Crop Year	Wheat 000 tonnes	Durum 000 tonnes	All Wheat 000 tonnes	Oats 000 tonnes	Barley 000 tonnes	Rye 000 tonnes	Flaxseed 000 tonnes	Canola 000 tonnes	Total 000 tonnes
1968-69	4 370	603	4 973	309	895	84	167	25	6 453
1969-70	5 317	638	5 955	407	2 050	79	282	98	8 871
1970-71	6 481	1 210	7 691	427	3 398	97	363	317	12 293
1971-72	7 119	1 464	8 583	418	4 193	131	406	333	14 064
1972-73	7 765	1 403	9 168	404	2 497	68	334	391	12 862
1973-74	7 040	1 182	8 222	235	2 157	102	210	143	11 069
1974-75	6 173	1 241	7 414	215	2 068	103	168	61	10 029
1975-76	7 629	1 682	9 311	492	2 223	218	121	31	12 396
1976-77	7 448	1 212	8 660	669	2 159	67	207	161	11 923
1977-78	7 424	1 649	9 073	358	2 735	158	192	83	12 599
1978-79	7 351	1 017	8 368	201	2 859	57	333	249	12 067
1979-80	8 535	1 630	10 165	298	2 231	243	280	424	13 641
1980-81	8 285	1 783	10 068	212	1 961	315	269	127	12 952
1981-82	8 739	2 019	10 758	199	2 725	372	229	136	14 419
1982-83	10 918	2 242	13 160	163	3 182	116	249	125	16 995
1983-84	11 751	2 312	14 063	138	3 555	74	345	185	18 360
1984-85	9 559	1 741	11 300	90	1 066	12	322	150	12 940
1985-86	7 828	1 162	8 990	41	1 510	12	318	145	11 016
1986-87	8 956	1 843	10 799	122	2 312	27	417	194	13 871
1987-88 <sup>1</sup>	7 652	2 949	10 601	130	1 350	32	404	244	12 761

<sup>1</sup> Subject to revision.

Source: Canadian Grain Commission 451.10 for 1987-88.

All previous years — Statistics Canada "Grain Trade of Canada".





**TABLE VII**  
**CANADIAN WHEAT SUPPLIES AND DISPOSITION**  
**CROP YEARS 1968-69 TO 1988-89**

Crop Year	Inward Carryover <sup>1</sup> August 1st		Production <sup>1</sup> 000 tonnes	Total Supplies 000 tonnes	Domestic Disappearance <sup>2</sup>		Exports <sup>1</sup> Wheat and Flour 000 tonnes	Total Outward <sup>1</sup> Carryover July 31st 000 tonnes
	Farm 000 tonnes	Commercial 000 tonnes			Farm 000 tonnes	Commercial 000 tonnes		
1968-69	6 613	11 689	17 689	35 991	2 479	2 006	8 323	23 163
1969-70	10 130	13 053	18 267	41 450	2 166	2 402	9 430	27 452
1970-71	14 770	12 682	9 024	36 476	2 355	2 295	11 846	19 980
1971-72	10 746	9 235	14 412	34 393	2 435	2 351	13 720	15 887
1972-73	8 477	7 410	14 515	30 402	2 384	2 381	15 692	9 945
1973-74	3 130	6 815	16 162	26 107	2 280	2 292	11 446	10 089
1974-75	2 205	7 884	13 304	23 393	2 016	2 560	10 779	8 038
1975-76	1 633	6 405	17 081	25 119	2 396	2 408	12 336	7 979
1976-77	1 578	6 401	23 587	31 566	2 523	2 289	13 436	13 318
1977-78	7 158	6 160	19 858	33 176	2 460	2 561	16 040	12 115
1978-79	5 007	7 108	21 136	33 251	2 466	2 790	13 084	14 911
1979-80	8 954	5 957	17 196	32 107	2 688	2 809	15 889	10 721
1980-81	4 273	6 448	19 292	30 013	2 732	2 509	16 262	8 510
1981-82	1 585	6 925	24 803	33 313	2 831	2 322	18 447	9 713
1982-83	3 560	6 153	26 736	36 449	2 602	2 496	21 368	9 983
1983-84	2 010	7 973	26 505	36 488	3 191	2 342	21 765	9 190
1984-85	1 735	7 455	21 199	30 389	2 914	2 294	17 583	7 598
1985-86	1 080	6 518	24 252	31 850	2 958	2 583	17 725	8 584
1986-87	775	7 799	31 377	39 951	3 956	2 481	20 783	12 731
1987-88	5 007	7 724	25 950	38 681	5 128	2 836	23 515	7 202
1988-89 <sup>3</sup>	2 535	4 667	15 655	22 848				

<sup>1</sup>Source: Statistics Canada.

<sup>2</sup>A residual item. Farm disappearance is computed by adding inward farm carryover and production and deducting therefrom marketings and outward farm carryover. Commercial disappearance is computed by adding inward commercial carryover and marketings and deducting therefrom outward commercial carryover and exports.

<sup>3</sup>Subject to revision.

<sup>4</sup>Human food consumption in 1986-87 amounted to 2 076 000 tonnes. In 1987-88 the amount was 2 200 000 tonnes.

**TABLE VIII**  
**CANADIAN OATS SUPPLIES AND DISPOSITION**  
**CROP YEARS 1968-69 TO 1988-89**

Crop Year	Inward Carryover <sup>1</sup> August 1st		Production <sup>1</sup> 000 tonnes	Total Supplies 000 tonnes	Domestic Disappearance <sup>2</sup>		Exports <sup>2</sup> 000 tonnes	Total Outward <sup>1</sup> Carryover July 31st 000 tonnes
	Farm 000 tonnes	Commercial 000 tonnes			Farm 000 tonnes	Commercial 000 tonnes		
1968-69	925	339	5 501	6 765	4 323	416	42	1 984
1969-70	1 457	527	5 473	7 457	4 603	487	79	2 288
1970-71	2 005	283	5 445	7 733	5 144	449	206	1 934
1971-72	1 406	528	5 640	7 574	5 067	523	161	1 823
1972-73	1 480	343	4 665	6 488	4 642	510	107	1 229
1973-74	1 002	227	5 070	6 299	4 573	519	13	1 194
1974-75	895	299	3 977	5 171	3 510	506	22	1 133
1975-76	741	392	4 480	5 613	3 624	477	281	1 231
1976-77	802	429	4 831	6 062	3 753	487	494	1 328
1977-78	1 033	295	4 283	5 611	3 349	497	90	1 675
1978-79	1 203	472	3 568	5 243	3 305	401	17	1 520
1979-80	1 103	417	2 879	4 399	2 961	444	103	891
1980-81	702	189	2 911	3 802	2 611	385	46	760
1981-82	610	150	3 188	3 948	2 655	387	51	855
1982-83	640	215	3 637	4 492	2 916	301	105	1 170
1983-84	995	175	2 773	3 943	2 790	335	123	695
1984-85	570	125	2 670	3 365	2 431	296	19	619
1985-86	495	124	2 736	3 355	2 306	229	44	776
1986-87	605	171	3 251	4 027	2 529	227	257	1 014
1987-88	870	144	2 995	4 009	2 606	249	287	867
1988-89 <sup>4</sup>	660	207	2 993	3 860				

<sup>1</sup>Source: Statistics Canada.

<sup>2</sup>Source: Statistics Canada "Grain Trade of Canada". Includes rolled oats, oatmeal and seed oats.

<sup>3</sup>A residual item. Farm disappearance is computed by adding inward farm carryover and production and deducting therefrom marketings and outward farm carryover.

Commercial disappearance is computed by adding inward commercial carryover and marketings and deducting therefrom outward commercial carryover and exports.

<sup>4</sup>Subject to revision.





**TABLE IX**  
**CANADIAN BARLEY SUPPLIES AND DISPOSITION**  
**CROP YEARS 1968-69 TO 1988-89**

Crop Year	Inward Carryover <sup>1</sup> August 1st		Production <sup>1</sup> 000 tonnes	Total Supplies 000 tonnes	Domestic Disappearance <sup>2</sup>		Exports <sup>1</sup> July 31st 000 tonnes	Total Outward <sup>1</sup> Carryover 000 tonnes
	Farm 000 tonnes	Commercial 000 tonnes			Farm 000 tonnes	Commercial 000 tonnes		
1968-69	1 552	1 298	7 099	9 949	3 876	1 200	575	4 298
1969-70	2 972	1 325	8 084	12 381	4 602	1 391	1 923	4 465
1970-71	2 765	1 700	8 889	13 354	5 158	1 145	3 910	3 141
1971-72	1 342	1 799	13 098	16 239	6 121	1 270	5 020	3 828
1972-73	1 872	1 956	11 284	15 112	6 081	1 231	3 598	4 202
1973-74	1 915	2 287	10 218	14 420	5 576	1 531	2 776	4 537
1974-75	1 436	3 101	8 790	13 327	4 557	1 653	3 013	4 104
1975-76	1 110	2 994	9 510	13 614	4 837	1 688	4 326	2 763
1976-77	1 088	1 675	10 513	13 276	4 634	1 641	3 783	3 218
1977-78	1 132	2 086	11 802	15 020	4 582	1 690	3 540	5 208
1978-79	3 113	2 095	10 397	15 605	4 943	1 967	3 800	4 895
1979-80	3 200	1 695	8 478	13 373	5 139	2 142	4 086	2 006
1980-81	1 100	906	11 394	13 400	4 899	1 777	3 521	3 203
1981-82	1 140	2 063	13 724	16 927	5 370	1 424	6 002	4 131
1982-83	1 950	2 181	13 965	18 096	5 631	1 688	5 648	5 129
1983-84	3 225	1 904	10 209	15 338	5 656	2 174	5 537	1 971
1984-85	1 080	891	10 296	12 267	5 434	1 896	2 781	2 156
1985-86	865	1 291	12 387	14 543	5 713	1 731	3 795	3 304
1986-87	1 100	2 209	14 569	17 878	6 646	1 342	6 718	3 172
1987-88	1 570	1 602	13 957	17 129	7 285	1 555	4 594	3 695
1988-89 <sup>3</sup>	2 495	1 200	10 125	13 820				

<sup>1</sup> Source: Statistics Canada "Grain Trade of Canada". Includes export barley and pot and pearl barley.

<sup>2</sup> A residual item. Farm disappearance is computed by adding inward farm carryover and production and deducting therefrom marketings and outward farm carryover. Commercial disappearance is computed by adding inward commercial carryover and marketings and deducting therefrom outward commercial carryover and exports.

<sup>3</sup> Subject to revision.

**TABLE X**  
**CANADIAN GRAIN STORAGE POSITION 1969 TO 1988**  
**VISIBLE STOCKS OF PRINCIPAL GRAINS AS AT JULY 31ST<sup>1</sup>**

Year	Wheat 0 0 0 tonnes	Oats 0 0 0 tonnes	Barley 0 0 0 tonnes	Rye 0 0 0 tonnes	Flaxseed 0 0 0 tonnes	Canola 0 0 0 tonnes	U.S. and Foreign Grains 0 0 0 tonnes	Total 0 0 0 tonnes	Total Capacity <sup>2,3</sup> 0 0 0 tonnes
1969	13 053	527	1 326	93	104	99	219	15 421	19 050
1970	12 682	283	1 700	151	136	79	284	15 315	19 051
1971	9 235	528	1 799	192	409	246	143	12 552	18 885
1972	7 410	344	1 956	261	255	609	206	11 041	18 318
1973	6 815	226	2 287	221	180	460	389	10 578	17 986
1974	7 884	299	3 101	203	163	247	313	12 210	17 626
1975	6 405	392	2 994	251	155	309	124	10 630	17 868
1976	6 401	429	1 675	223	330	697	142	9 897	17 518
1977	6 160	295	2 086	289	186	174	128	9 318	16 974
1978	7 108	472	2 095	212	367	291	201	10 746	16 858
1979	5 957	417	1 695	248	244	819	255	9 635	16 748
1980	6 448	189	906	279	440	1 137	349	9 748	16 631
1981	6 925	150	2 063	169	228	924	213	10 672	16 353
1982	6 154	215	2 181	231	221	621	176	9 799	16 071
1983	7 883	175	1 904	431	347	446	117	11 303	15 739
1984	7 358	125	891	326	130	105	83	9 018	15 533
1985	6 412	124	1 291	233	119	375	105	8 659	15 503
1986	7 702	171	2 209	142	207	675	39	11 145	15 281
1987	7 597	144	1 602	165	302	449	83	10 342	15 150
1988 <sup>4</sup>	4 668	207	1 200	159	287	491	147	7 012	14 798

<sup>1</sup> Includes stocks in unlicensed mills and any stocks in licensed mills which have been transferred from elevator storage proper to mill or feed plants for processing.

<sup>2</sup> For all years the quantities indicate the capacity as at July 31st and include only licensed capacity.

<sup>3</sup> Metric tonnes expressed in wheat equivalent.

<sup>4</sup> Subject to revision.



**TABLE XI**  
**EXPORTS OF CANADIAN GRAIN AND GRAIN PRODUCTS**  
**CROP YEARS 1963-64 TO 1987-88**

Crop Year	Wheat <sup>1</sup> 000 tonnes	Flour <sup>2</sup> 000 tonnes	Oats and Oat Products 000 tonnes	Barley and Barley Products 000 tonnes	Rye 000 tonnes	Flaxseed <sup>3</sup> 000 tonnes	Canola <sup>4</sup> 000 tonnes	Corn 000 tonnes	Total 000 tonnes
1963-64	14 687	1 494	289	1 022	140	362	121	2	18 117
1964-65	10 017	858	240	806	123	398	210	7	12 659
1965-66	14 881	1 038	246	828	204	495	309	9	18 010
1966-67	13 157	867	74	1 275	253	433	313	2	16 374
1967-68	8 473	672	55	901	121	349	279	2	10 852
1968-69	7 653	670	42	575	108	355	325	6	9 734
1969-70	8 696	734	80	1 923	97	500	504	2	12 536
1970-71	11 169	676	206	3 910	227	571	1 062	5	17 826
1971-72	13 047	673	161	5 020	273	692	966	29	20 861
1972-73	15 057	636	107	3 598	209	529	1 226	21	21 383
1973-74	10 902	543	13	2 776	116	400	1 063	5	15 818
1974-75	10 229	550	22	3 013	123	273	664	4	14 878
1975-76	11 637	699	281	4 326	299	212	820	233	18 507
1976-77	12 711	725	494	3 783	168	369	1 449	180	19 879
1977-78	15 246	794	90	3 540	271	282	1 476	323	22 022
1978-79	12 302	782	17	3 800	154	514	2 287	192	20 048
1979-80	15 215	674	103	4 086	397	475	2 420	344	23 714
1980-81	15 569	693	46	3 521	446	607	2 212	1 051	24 145
1981-82	17 973	474	51	6 002	561	481	2 040	1 281	28 863
1982-83	20 956	411	105	5 648	313	471	1 752	511	30 167
1983-84	21 285	480	122	5 536	747	629	2 460	429	31 688
1984-85	17 113	470	19	2 781	376	564	2 590	569	24 482
1985-86	17 354	372	44	3 794	276	626	2 365	490	25 321
1986-87	20 353	430	257	6 718	166	685	3 645	113	32 367
1987-88 <sup>5</sup>	23 173	342	286	4 594	178	605	3 447	369	32 998

<sup>1</sup>Wheat exports include bagged Seed Wheat.

<sup>2</sup>Wheat equivalent.

<sup>3</sup>Flaxseed exports include Linseed Oil for all years and Linseed Oil and Meal from 1979-80.

<sup>4</sup>Canola exports for the years 1964-65 to 1972-73 do not include Canola Oil exports, 1963-64 include Canola Oil exports. The years 1973-74 onward include Canola Oil and Canola Meal exports.

<sup>5</sup>Subject to revision.

Source: Canadian Grain Commission "Canadian Grain Exports" for 1987-88.

All previous years—Statistics Canada "Grain Trade of Canada".



**TABLE XII**  
**CANADIAN WHEAT (INCLUDING DURUM) EXPORTS BY AREAS AND COUNTRIES**  
**CROP YEARS 1978-79 TO 1987-88**

Country	1978-79 000 tonnes	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes	1987-88 <sup>1</sup> 000 tonnes
<b>WESTERN EUROPE:</b>										
EEC:										
Belgium and Luxembourg	36	12	—	16	23	10	127	100	91	336
Denmark	1	1	—	—	—	1	1	1	—	—
France	62	4	12	88	107	199	104	58	1	—
Germany, Federal Republic	15	12	1	18	1	26	3	3	21	6
Ireland	—	—	—	1	—	1	1	—	—	2
Italy	544	723	765	515	624	742	240	367	634	440
Malta	—	—	—	—	—	—	—	—	36	—
Netherlands	62	70	22	38	17	103	107	78	72	6
Portugal*	—	—	—	—	—	—	—	149	269	118
United Kingdom	1 312	1 361	1 409	1 366	1 109	955	633	702	503	413
TOTAL EEC	2 032	2 183	2 209	2 042	1 881	2 037	1 216	1 458	1 627	1 321
<b>OTHER WESTERN EUROPE:</b>										
Finland	88	9	6	29	—	—	7	—	—	—
Norway	67	137	10	57	70	148	62	68	89	128
Portugal*	39	43	17	—	—	—	—	—	—	—
Spain	54	—	51	—	—	—	—	—	—	—
Sweden	4	1	—	—	2	—	4	2	—	—
Switzerland	63	71	54	49	109	49	9	—	—	16
WESTERN EUROPE:	315	261	138	135	181	197	82	70	89	144
<b>EASTERN EUROPE:</b>										
Bulgaria	—	—	—	—	—	—	—	216	153	40
Czechoslovakia	—	6	—	14	5	5	5	—	11	6
Germany, People's Rep. of	74	10	67	—	308	73	170	48	199	104
Poland	583	1 487	1 091	1 674	622	52	91	22	31	—
U.S.S.R.	1 429	2 579	3 971	5 019	6 959	6 761	6 019	5 219	5 391	4 500
Yugoslavia	—	127	—	—	—	—	—	—	—	—
TOTAL EASTERN EUROPE:	2 086	4 209	5 129	6 707	7 894	6 891	6 285	5 505	5 785	4 650
<b>TOTAL EUROPE:</b>	<b>4 433</b>	<b>6 653</b>	<b>7 476</b>	<b>8 884</b>	<b>9 956</b>	<b>9 125</b>	<b>7 583</b>	<b>7 033</b>	<b>7 501</b>	<b>6 115</b>
<b>AFRICA:</b>										
Algeria	335	598	654	590	512	813	508	492	448	764
Angola	—	—	—	—	—	—	—	—	—	8
Benin	—	1	—	—	—	—	—	—	—	—
Canary Islands	—	—	—	—	—	—	—	—	14	—
Chad	—	—	—	—	—	7	5	—	—	—
Ethiopia	15	51	81	45	92	49	128	93	91	230
Ghana	76	98	25	45	24	63	37	66	40	81
Ivory Coast	—	—	—	1	—	—	—	—	—	—
Kenya	—	—	—	16	—	—	39	—	2	—
Lesotho	—	—	—	—	—	—	—	—	16	—
Libya	—	28	81	291	110	93	124	174	136	96
Mali	—	—	—	—	13	—	—	—	10	—
Mauritania	10	—	2	—	4	11	11	10	—	7
Morocco	100	129	12	15	—	—	—	—	—	22
Mozambique	11	—	5	16	25	14	21	7	21	44
Niger	—	—	—	2	4	—	2	—	—	—
Nigeria	20	28	—	—	21	66	—	133	—	—
Rwanda	1	—	—	—	1	14	—	—	—	—
Senegal	2	6	8	9	13	10	9	8	21	16
Somalia	—	—	—	7	—	—	—	—	—	—
South Africa	—	—	—	—	—	—	—	55	—	33
Sudan	—	7	—	—	—	2	4	5	3	2
Tanzania	38	—	10	13	—	13	10	—	12	—
Togo	3	8	—	—	21	23	7	8	14	15
Tunisia	73	49	23	10	—	—	—	—	25	41
Uganda	—	8	—	—	9	1	—	—	6	—
Upper Volta	—	—	—	—	3	2	—	—	—	—
Zaire	1	—	—	—	—	—	—	—	—	—
Zambia	—	17	—	—	—	—	12	10	16	27
Zimbabwe	—	3	—	—	—	17	17	—	11	25
TOTAL AFRICA	685	1 031	901	1 060	852	1 184	934	1 061	886	1 411



Country	1978-79 000 tonnes	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes	1987-88 <sup>1</sup> 000 tonnes
<b>MIDDLE EAST:</b>										
Arab Rep. of Egypt	117	—	—	316	23	662	450	464	208	100
Cyprus	—	—	—	—	—	32	14	—	20	21
Iran	—	110	96	73	107	488	41	61	128	1 113
Iraq	102	428	453	258	280	608	367	347	691	884
Israel	—	—	—	—	—	18	99	25	95	18
Lebanon	221	75	119	91	158	—	—	6	—	—
Saudi Arabia	—	—	—	—	26	—	—	—	—	—
Syria	—	20	—	—	242	260	529	—	—	11
Turkey	—	—	—	—	—	—	—	89	—	—
Yemen, P.D.R.	1	—	6	—	24	—	108	—	—	1
<b>TOTAL MIDDLE EAST:</b>	<b>441</b>	<b>633</b>	<b>674</b>	<b>738</b>	<b>860</b>	<b>2 068</b>	<b>1 608</b>	<b>992</b>	<b>1 142</b>	<b>2 148</b>
<b>ASIA:</b>										
Afghanistan	13	21	—	—	—	—	—	—	—	—
Bangladesh	337	428	134	264	312	476	65	536	358	220
China, People's Rep. of	3 102	2 516	2 879	3 101	4 424	3 428	2 780	2 558	4 065	7 586
Hong Kong	34	37	16	9	6	13	13	9	11	10
India	—	—	40	91	7	513	5	—	—	44
Indonesia	—	24	—	32	224	201	200	333	189	189
Japan	1 226	1 336	1 381	1 367	1 341	1 325	1 323	1 272	1 349	1 481
Korea, Dem. People's Republic	—	—	—	—	—	—	—	—	20	28
Korea, South	—	—	—	—	—	6	—	472	1 173	617
Malaysia	20	10	10	—	5	—	72	9	57	61
Nepal	—	13	1	—	—	—	—	—	—	—
Pakistan	150	34	6	54	29	58	33	41	51	54
Philippines	—	27	—	—	—	—	—	21	100	32
Singapore	4	—	—	—	46	—	—	—	21	5
Sri Lanka	—	—	—	21	98	124	100	108	54	73
Taiwan	—	79	—	28	85	84	81	108	55	119
Thailand	—	—	—	—	—	—	—	—	—	17
Viet-Nam	22	—	—	—	—	—	—	—	—	—
<b>TOTAL ASIA:</b>	<b>4 908</b>	<b>4 525</b>	<b>4 467</b>	<b>4 967</b>	<b>6 577</b>	<b>6 228</b>	<b>4 672</b>	<b>5 467</b>	<b>7 563</b>	<b>10 536</b>
<b>WESTERN HEMISPHERE:</b>										
Barbados	4	4	—	5	—	2	—	—	—	—
Belize	—	—	—	—	1	—	—	—	—	—
Bolivia	—	—	—	—	—	12	—	—	20	—
Brazil	948	1 270	1 284	1 314	1 503	1 362	1 145	986	780	449
Chile	—	—	—	24	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	57	190	75
Costa Rica	—	—	—	4	—	—	—	—	—	—
Cuba	523	866	656	730	878	772	598	1 029	1 017	843
Dominican Republic	—	—	—	—	—	—	—	—	—	—
El Salvador	—	—	—	—	—	2	—	—	—	—
Haiti Republic	38	33	37	20	—	—	25	—	—	—
Honduras	—	—	—	—	2	1	4	4	—	—
Jamaica	51	62	45	31	23	22	24	39	38	39
Mexico	21	71	27	154	189	276	—	—	258	353
Nicaragua	—	—	—	18	—	48	—	—	10	58
Panama	—	—	—	—	—	—	—	—	1	—
Peru	124	48	—	8	—	49	26	47	344	209
St. Lucia	—	—	—	—	—	—	—	2	1	—
St. Vincent	21	4	—	—	—	—	—	—	—	—
Trinidad & Tobago	87	8	—	—	—	—	—	—	—	—
United States	—	—	—	—	115	63	159	274	344	369
Uruguay	—	—	—	—	—	—	—	—	46	35
Venezuela	15	4	—	15	—	69	294	320	112	532
<b>TOTAL WESTERN HEMISPHERE:</b>	<b>1 832</b>	<b>2 370</b>	<b>2 049</b>	<b>2 323</b>	<b>2 711</b>	<b>2 678</b>	<b>2 275</b>	<b>2 758</b>	<b>3 161</b>	<b>2 962</b>
<b>TOTAL BULK WHEAT:</b>	<b>12 299</b>	<b>15 212</b>	<b>15 567</b>	<b>17 972</b>	<b>20 956</b>	<b>21 283</b>	<b>17 072</b>	<b>17 311</b>	<b>20 193</b>	<b>23 172</b>
<b>BAGGED SEED WHEAT:</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>42</b>	<b>43</b>	<b>2</b>	<b>1</b>
<b>GRAND TOTAL:</b>	<b>12 302</b>	<b>15 215</b>	<b>15 569</b>	<b>17 973</b>	<b>20 957</b>	<b>21 284</b>	<b>17 114</b>	<b>17 354</b>	<b>20 195</b>	<b>23 173</b>

<sup>1</sup> Subject to revision.

\* Portugal joined EEC during 1985-86.

Source: Canadian Grain Commission "Canada Grain Exports" for 1987-88.

All previous years—Statistics Canada "Grain Trade of Canada".



**TABLE XIII**  
**CANADIAN WHEAT FLOUR EXPORTS BY AREAS AND COUNTRIES**  
**CROP YEARS 1978-79 TO 1987-88**

Country	1978-79 000 tonnes	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes	1987-88 <sup>1</sup> 000 tonnes
WESTERN EUROPE:										
EEC	—	—	2	1	1	1	1	1	1	1
Other Western Europe	4	4	4	4	3	3	4	7	7	4
TOTAL WESTERN EUROPE:	4	4	6	5	4	4	5	8	8	5
EASTERN EUROPE:	—	—	248	—	—	—	—	—	—	—
TOTAL EUROPE:	4	4	254	5	4	4	5	8	8	5
AFRICA:										
Arab Republic of Egypt	38	31	12	32	26	23	18	18	—	1
Algeria	2	7	11	5	5	—	—	—	—	—
Others	9	10	16	48	41	30	87	95	40	71
TOTAL AFRICA:	49	48	39	85	72	53	105	113	40	72
MIDDLE EAST:	36	27	10	25	21	8	61	27	33	3
ASIA:										
China, People's Republic of	—	—	—	—	—	86	64	56	129	78
Korea, South	31	2	17	—	51	—	—	—	—	—
Singapore	—	—	—	—	—	—	—	12	—	—
Sri Lanka	51	3	—	—	—	—	—	—	—	—
Thailand	1	1	1	1	1	1	—	—	—	—
Viet-Nam	49	42	—	—	—	—	—	—	—	—
Yemen, P.D.R.	—	—	—	—	—	—	—	10	—	9
Others	4	5	3	2	1	1	2	2	2	13
TOTAL ASIA:	136	53	21	3	53	88	66	80	131	100
WESTERN HEMISPHERE:										
Bahamas	4	5	4	4	5	5	5	5	5	4
Barbados	6	3	3	3	3	3	3	2	2	2
Bermuda	3	4	4	3	3	2	1	1	2	2
Colombia	—	—	—	—	—	—	—	8	—	2
Cuba	509	471	326	320	223	281	181	108	175	110
Haiti Republic	8	35	11	1	2	2	1	—	2	—
Jamaica	16	3	4	6	2	3	1	1	6	1
Leeward & Windward Islands	3	3	2	2	2	2	1	1	1	1
Paraguay	—	—	—	—	—	—	—	2	—	2
Trinidad & Tobago	2	2	3	3	2	5	4	4	4	3
United States	2	2	7	8	12	7	10	7	14	27
Others	4	13	6	6	7	16	25	5	7	8
TOTAL WESTERN HEMISPHERE:	557	541	370	356	261	326	232	144	218	162
GRAND TOTAL:	782	673	694	474	411	479	469	372	430	342

<sup>1</sup>Subject to revision.

Source: Statistics Canada.





**TABLE XIV**  
**CANADIAN DURUM WHEAT EXPORTS BY AREAS AND COUNTRIES**  
**CROP YEARS 1978-79 TO 1987-88**

Country	1978-79 000 tonnes	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes	1987-88 <sup>1</sup> 000 tonnes
<b>WESTERN EUROPE:</b>										
EEC:										
Belgium and Luxembourg	4	6	—	13	—	—	36	10	14	78
Denmark	1	1	—	—	—	—	—	—	—	—
France	62	—	12	88	99	199	104	58	—	—
Germany, Federal Republic	15	—	1	18	—	17	2	—	12	3
Ireland	—	—	—	1	—	—	1	—	—	—
Italy	376	628	526	423	525	504	182	255	480	232
Malta	—	—	—	—	—	—	—	—	36	—
Netherlands	58	47	13	24	12	86	24	1	29	6
United Kingdom	7	7	12	5	2	2	4	8	5	9
<b>TOTAL EEC:</b>	<b>523</b>	<b>689</b>	<b>564</b>	<b>572</b>	<b>638</b>	<b>808</b>	<b>353</b>	<b>332</b>	<b>576</b>	<b>328</b>
<b>OTHER WESTERN EUROPE:</b>										
Finland	—	—	3	—	—	—	—	—	—	13
Norway	6	6	10	—	11	13	6	11	—	—
Portugal	14	29	17	—	—	—	—	—	—	—
Spain	40	—	51	—	—	—	—	—	—	—
Sweden	4	1	—	—	1	—	3	—	—	—
Switzerland	16	21	24	27	44	16	2	—	—	—
<b>TOTAL OTHER</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>13</b>
<b>WESTERN EUROPE:</b>	<b>80</b>	<b>57</b>	<b>105</b>	<b>27</b>	<b>56</b>	<b>29</b>	<b>11</b>	<b>11</b>	<b>—</b>	<b>13</b>
<b>EASTERN EUROPE:</b>										
Czechoslovakia	—	6	—	14	5	5	5	—	11	6
Germany, People's Republic of	—	10	32	—	26	51	50	48	47	53
Poland	100	255	93	112	59	52	25	—	—	—
U.S.S.R.	222	254	496	860	1 204	555	533	254	498	992
<b>TOTAL EASTERN EUROPE:</b>	<b>322</b>	<b>525</b>	<b>621</b>	<b>986</b>	<b>1 294</b>	<b>663</b>	<b>613</b>	<b>302</b>	<b>556</b>	<b>1 051</b>
<b>TOTAL EUROPE:</b>	<b>925</b>	<b>1 271</b>	<b>1 290</b>	<b>1 585</b>	<b>1 988</b>	<b>1 500</b>	<b>977</b>	<b>645</b>	<b>1 132</b>	<b>1 392</b>
<b>AFRICA:</b>										
Algeria	336	595	654	589	512	813	508	492	423	611
Libya	—	10	24	52	47	93	103	108	136	96
Mauritania	—	—	2	—	4	8	11	10	—	7
Mozambique	—	—	—	—	—	—	—	—	—	8
Tunisia	73	38	23	—	—	—	—	—	—	41
<b>TOTAL AFRICA:</b>	<b>409</b>	<b>643</b>	<b>703</b>	<b>641</b>	<b>563</b>	<b>914</b>	<b>622</b>	<b>610</b>	<b>559</b>	<b>763</b>
<b>MIDDLE EAST:</b>										
Iraq	—	—	—	—	—	—	52	—	—	—
Cyprus	—	—	—	—	—	—	7	—	9	10
<b>TOTAL MIDDLE EAST:</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>59</b>	<b>—</b>	<b>9</b>	<b>10</b>
<b>ASIA:</b>										
Bangladesh	—	5	—	—	—	—	—	—	—	—
Japan	—	—	48	32	77	60	61	18	79	94
Korea, South	—	—	—	—	—	—	—	—	20	53
<b>TOTAL ASIA:</b>	<b>—</b>	<b>5</b>	<b>48</b>	<b>32</b>	<b>77</b>	<b>60</b>	<b>61</b>	<b>18</b>	<b>99</b>	<b>147</b>
<b>WESTERN HEMISPHERE:</b>										
Costa Rica	—	—	—	4	—	—	—	—	—	—
Cuba	16	25	34	44	59	52	59	63	58	64
United States	—	—	—	—	—	3	—	—	62	202
Venezuela	—	4	—	4	—	16	48	49	38	175
<b>TOTAL WESTERN HEMISPHERE:</b>	<b>16</b>	<b>29</b>	<b>34</b>	<b>52</b>	<b>59</b>	<b>71</b>	<b>107</b>	<b>112</b>	<b>158</b>	<b>441</b>
<b>GRAND TOTAL:</b>	<b>1 350</b>	<b>1 948</b>	<b>2 075</b>	<b>2 310</b>	<b>2 687</b>	<b>2 545</b>	<b>1 826</b>	<b>1 385</b>	<b>1 957</b>	<b>2 754</b>

<sup>1</sup>Subject to revision.

Source: Canadian Grain Commission for 1987-88.

All previous years — Statistics Canada "Grain Trade of Canada".



**TABLE XV**  
**CANADIAN BARLEY EXPORTS BY AREAS AND COUNTRIES**  
**CROP YEARS 1978-79 TO 1987-88**

Country	1978-79 000 tonnes	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes	1987-88 <sup>1</sup> 000 tonnes
<b>WESTERN EUROPE:</b>										
EEC:										
Belgium and Luxembourg	—	—	—	121	481	708	—	—	—	15
France	—	—	—	—	—	22	—	—	—	—
Germany, Federal Rep.	100	53	—	—	51	20	—	—	—	—
Italy	425	582	344	417	310	126	—	—	32	—
Malta	—	9	—	—	—	—	—	—	—	—
Netherlands	—	—	1	—	—	63	—	—	—	9
Portugal*	—	—	—	—	—	—	—	58	45	21
Spain	—	—	—	235	410	102	—	—	32	—
United Kingdom	72	24	10	3	—	—	2	—	—	—
TOTAL EEC:	597	668	355	776	1 252	1 041	2	58	109	45
<b>OTHER WESTERN EUROPE:</b>										
Finland	—	—	—	111	—	—	—	—	—	—
Iceland	4	4	3	1	—	—	—	—	—	—
Portugal*	—	—	—	—	—	5	—	—	—	—
TOTAL OTHER WESTERN EUROPE:	4	4	3	112	—	5	—	—	—	—
<b>EASTERN EUROPE:</b>										
Bulgaria	31	—	—	—	—	—	—	180	—	—
Germany, People's Republic of	246	—	—	103	600	1 123	798	571	467	260
Hungary	32	—	—	—	—	—	—	—	—	—
Poland	570	383	147	—	—	105	—	—	—	—
Romania	226	—	—	—	67	—	87	284	—	—
U.S.S.R.	126	872	1 573	2 780	1 526	472	410	439	2 149	208
TOTAL EASTERN EUROPE:	1 231	1 255	1 720	2 883	2 126	1 767	1 208	1 277	2 900	468
TOTAL EUROPE:	1 832	1 927	2 078	3 771	3 378	2 813	1 210	1 335	3 009	513
<b>AFRICA:</b>										
Algeria	80	138	—	36	—	—	—	—	—	1
Arab Republic of Egypt	—	—	—	—	—	—	—	—	—	32
Morocco	—	—	—	4	—	—	—	—	—	—
Tunisia	21	—	—	—	—	—	—	—	—	—
TOTAL AFRICA:	101	138	—	40	—	—	—	—	—	33
<b>MIDDLE EAST:</b>										
Cyprus	63	93	—	45	61	58	—	—	69	42
Iran	154	23	—	80	92	209	—	—	—	123
Iraq	16	59	—	—	101	197	135	—	—	111
Israel	235	239	124	209	252	256	187	145	198	65
Jordan	—	23	—	—	8	—	—	—	26	—
Kuwait	—	32	—	—	—	—	—	—	—	—
Lebanon	15	43	—	15	—	—	—	—	—	3
Saudi Arabia	—	57	—	89	—	31	—	899	1 941	1 678
Syria	—	103	—	—	—	98	—	—	—	17
Turkey	—	—	—	—	—	188	—	—	—	—
TOTAL MIDDLE EAST:	483	672	124	438	514	1 037	322	1 044	2 234	2 039
<b>ASIA:</b>										
China, People's Republic of	—	—	—	77	83	26	—	213	285	278
Japan	873	789	805	914	970	820	735	839	731	900
Korea, South	—	—	—	—	—	5	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	4
Philippines	—	—	—	—	—	—	—	—	13	100
Singapore	—	—	—	—	—	262	140	—	—	—
Taiwan	—	—	—	118	83	—	—	—	—	69
TOTAL ASIA:	873	789	805	1 109	1 136	1 113	875	1 052	1 029	1 351
<b>WESTERN HEMISPHERE:</b>										
Chili	—	—	—	—	—	—	—	—	—	10
Colombia	78	91	47	86	101	115	—	—	90	80
Cuba	31	47	60	53	42	40	36	43	33	38
Ecuador	7	—	—	—	—	—	—	—	21	31
Mexico	—	—	—	—	22	63	83	22	—	—
Panama	—	—	—	—	—	—	—	—	—	3
Peru	9	29	11	23	16	13	—	—	—	—
United States	140	138	111	202	121	74	78	96	118	278
TOTAL WESTERN HEMISPHERE:	265	305	229	364	302	305	197	161	262	440
TOTAL BARLEY:	3 554	3 831	3 236	5 722	5 330	5 268	2 604	3 592	6 534	4 376
MALT (Barley Equivalent):	246	254	285	280	318	269	177	203	185	220
GRAND TOTAL:	3 800	4 085	3 521	6 002	5 648	5 537	2 781	3 795	6 719	4 596

<sup>1</sup> Subject to revision.

\* Portugal joined EEC during 1985-86.

Source: Canadian Grain Commission "Canada Grain Exports" for 1987-88.

All previous years — Statistics Canada "Grain Trade of Canada".



**TABLE XVI**  
**CANADIAN OATS EXPORTS BY AREAS AND COUNTRIES**  
**CROP YEARS 1978-79 TO 1987-88**

Country	1978-79 000 tonnes	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes	1987-88 <sup>1</sup> 000 tonnes
WESTERN EUROPE:										
EEC:										
Belgium and Luxembourg	—	—	—	—	—	—	—	—	7	15
Italy	—	14	—	—	—	—	—	—	—	—
Netherlands	1	12	—	—	3	—	—	—	6	2
TOTAL EEC:	1	26	—	—	3	—	—	—	13	17
OTHER WESTERN EUROPE:										
Switzerland	3	—	—	—	3	—	—	—	—	—
TOTAL OTHER WESTERN EUROPE:	3	—	—	—	3	—	—	—	—	—
EASTERN EUROPE:										
Poland	—	47	41	3	—	—	—	—	—	—
U.S.S.R.	—	—	—	16	—	—	—	—	—	—
TOTAL EASTERN EUROPE:	—	47	41	19	—	—	—	—	—	—
TOTAL EUROPE:		73	41	19	6	—	—	—	13	17
ASIA:										
Japan	—	—	—	—	2	3	—	3	7	9
TOTAL ASIA:	—	—	—	—	2	3	—	3	7	9
WESTERN HEMISPHERE:										
Cuba	9	26	2	11	14	1	—	—	—	4
United States	—	2	—	17	82	117	18	40	235	248
Venezuela	—	—	1	—	—	—	—	—	—	—
TOTAL WESTERN HEMISPHERE:	9	28	3	28	96	118	18	40	235	252
SUB-TOTALS, ALL COUNTRIES:	13	101	44	47	104	121	18	43	255	278
SEED OATS:	2	1	1	3	—	1	—	—	1	3
OATMEAL AND ROLLED OATS (Oats Equivalent):	2	3	—	—	1	—	1	1	1	6
TOTALS, ALL COUNTRIES:	17	105	45	50	105	122	19	44	257	287

<sup>1</sup>Subject to revision.

Source: Canadian Grain Commission "Canada Grain Exports" for 1987-88.  
All previous years—Statistics Canada "Grain Trade of Canada".



**TABLE XVII**  
**OVERSEAS<sup>1</sup> CLEARANCES OF CANADIAN BULK GRAIN<sup>2</sup> BY PORT AREAS**  
**CROP YEARS 1967-68 TO 1987-88**

Crop Year	Atlantic Coast 000 tonnes	St. Lawrence 000 tonnes	Lakehead Direct <sup>3</sup> 000 tonnes	Churchill 000 tonnes	Pacific Coast 000 tonnes	Total 000 tonnes
1967-68	423	3 271	569	586	5 025	9 874
1968-69	577	2 238	316	615	4 954	8 700
1969-70	882	4 495	239	598	5 090	11 304
1970-71	818	7 681	912	637	6 660	16 708
1971-72	940	8 968	1 070	667	7 947	19 592
1972-73	942	8 653	907	638	9 036	20 176
1973-74	594	6 473	497	462	6 494	14 520
1974-75	788	6 230	816	498	5 381	13 713
1975-76	865	8 437	555	518	6 535	16 910
1976-77	792	8 144	1 050	735	7 348	18 069
1977-78	806	9 234	930	692	8 439	20 101
1978-79	575	7 946	742	495	8 303	18 061
1979-80	801	9 844	1 267	523	9 144	21 579
1980-81	730	9 638	826	289	9 547	21 030
1981-82	862	11 909	954	438	11 625	25 788
1982-83	657	14 944	782	557	11 521	28 461
1983-84	760	14 376	1 306	621	12 507	29 570
1984-85	450	9 707	1 047	437	10 617	22 258
1985-86	616	9 040	724	391	12 150	22 921
1986-87	552	11 125	1 105	558	15 966	29 306
1987-88 <sup>4</sup>	582	10 668	1 204	190	17 009	29 653

<sup>1</sup>To all countries except the U.S.A.

<sup>2</sup>Wheat (excluding bagged seed wheat), oats, barley, rye, flaxseed and rapeseed.

<sup>3</sup>Includes shipments from ports along the Great Lakes.

<sup>4</sup>Subject to revision.

Source: Canadian Grain Commission "Canadian Grain Exports" for 1987-88.

All previous years — Statistics Canada "Grain Trade of Canada".



TABLE XVIII

WHEAT PRODUCTION IN THE MAJOR PRODUCING COUNTRIES  
CROP YEARS 1973-74 TO 1987-88

Crop Year	Canada 000 tonnes	Argentina 000 tonnes	Australia 000 tonnes	United States 000 tonnes	EEC <sup>1</sup> 000 tonnes	China 000 tonnes
1973-74	16 162	6 560	11 987	46 560	47 515	35 225
1974-75	13 304	5 970	11 357	48 496	52 567	40 865
1975-76	17 081	8 570	11 982	57 885	44 987	45 310
1976-77	23 587	11 000	11 800	58 480	46 672	50 385
1977-78	19 858	5 300	9 370	55 670	44 312	41 075
1978-79	21 136	8 100	18 090	48 322	55 354	53 840
1979-80	17 196	8 100	16 188	58 080	53 160	62 730
1980-81	19 292	7 780	10 856	64 798	61 453	55 210
1981-82	24 803	8 300	16 360	75 805	58 006	59 640
1982-83	26 737	15 000	8 876	75 250	64 789	68 420
1983-84	26 505	13 000	21 903	65 829	64 011	81 390
1984-85	21 199	13 600	18 666	70 618	82 624	87 820
1985-86	24 252	8 700	16 167	66 001	71 248	85 810
1986-87	31 378	8 858	16 128	56 925	71 965	90 300
1987-88 <sup>2</sup>	25 950	8 900	12 442	57 356	71 522	87 720
Crop Year	India 000 tonnes	Turkey 000 tonnes	U.S.S.R. 000 tonnes	Pakistan 000 tonnes	Others 000 tonnes	Total 000 tonnes
1973-74	24 735	10 000	109 784	7 443	59 829	375 800
1974-75	21 778	11 000	83 913	7 629	66 921	363 800
1975-76	24 235	14 750	66 224	7 673	60 503	359 200
1976-77	28 846	16 500	96 882	8 691	72 157	425 000
1977-78	29 010	16 650	92 161	9 144	63 850	386 400
1978-79	31 749	16 700	120 936	8 367	68 406	451 000
1979-80	35 508	17 500	90 207	9 950	60 181	428 800
1980-81	31 564	16 600	98 182	10 805	68 760	445 300
1981-82	36 313	17 000	81 000	11 475	65 598	454 300
1982-83	37 452	17 500	84 300	11 304	72 472	482 100
1983-84	42 794	16 438	77 500	12 414	72 520	494 304
1984-85	45 476	17 235	68 600	10 882	80 880	517 600
1985-86	44 069	17 032	78 100	11 703	81 918	505 000
1986-87	46 885	19 000	92 300	13 923	87 138	534 800
1987-88 <sup>2</sup>	45 577	18 932	83 312	12 200	88 833	512 744

<sup>1</sup>Twelve Member States.

<sup>2</sup>Preliminary — subject to revision.

Source: For Canada — Statistics Canada.

United States — "Crop Production Summary", USDA, January 1989.

For all other countries — IWC "World Wheat Statistics".





**TABLE XIX**  
**COARSE GRAIN<sup>1</sup> PRODUCTION IN THE MAJOR EXPORTING COUNTRIES<sup>2</sup>**  
**CROP YEARS 1979-80 TO 1987-88**

Countries	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88 <sup>3</sup>
	(million of tonnes)								
Canada:									
Barley	8.5	11.4	13.7	14.1	10.2	10.3	12.4	14.6	14.0
Oats	2.9	2.9	3.2	3.7	2.8	2.7	2.7	3.3	3.0
Corn	5.3	5.7	6.7	6.5	5.9	7.0	7.0	5.9	7.0
Rye	0.5	0.5	0.9	0.9	0.8	0.7	0.6	0.6	0.5
Mixed Grain	1.7	1.6	1.5	1.5	1.2	1.3	1.4	1.1	1.1
Total	18.9	22.1	26.0	26.7	20.9	22.0	24.1	25.5	25.6
United States	238.7	198.3	246.6	250.7	137.1	237.7	274.9	252.8	215.7
Australia	6.2	5.2	6.7	3.9	9.4	8.6	7.9	6.8	6.8
Argentina	10.6	21.0	18.4	17.8	17.1	19.3	17.4	13.0	13.0
South Africa	11.7	15.3	8.8	4.5	5.1	9.0	8.9	7.9	7.8
Thailand	3.6	3.5	4.7	3.7	4.3	4.7	5.7	4.6	3.0
Western Europe	91.1	95.0	87.9	93.6	86.1	104.4	102.1	93.9	93.8
Eastern Europe	63.4	61.4	64.5	72.0	66.9	72.8	65.5	73.9	64.6
U.S.S.R.	81.1	80.5	72.0	91.8	101.9	90.5	100.0	105.9	113.7
Others	216.5	229.7	234.3	219.7	238.2	246.3	236.3	250.5	246.5
WORLD TOTAL	741.8	732.0	769.9	784.4	687.0	815.3	842.8	834.8	790.5

<sup>1</sup>Includes corn, barley, oats, rye, sorghum, millet and mixed grains.

<sup>2</sup>Based on an October-September crop year for all countries except Canada, which is the August-July crop year.

<sup>3</sup>Subject to revision.

Source: USDA "World Grain Situation and Outlook", December 1988.

For all countries except Canada "Field Crop Reporting Series No. 8".



**TABLE XX**  
**WORLD COARSE GRAIN<sup>1</sup> EXPORTS\***  
**CROP YEARS 1979-80 TO 1987-88**

Countries	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88 <sup>2</sup>
	(million of tonnes)								
Canada:									
Barley	3.8	3.2	5.7	5.3	5.3	2.6	3.6	6.5	4.4
Oats	0.1	—	—	0.1	0.1	—	—	0.3	0.3
Corn	0.3	1.1	1.3	0.5	0.4	0.6	0.5	0.1	0.4
Rye	0.4	0.4	0.5	0.3	0.7	0.4	0.3	0.2	0.2
Total	4.6	4.7	7.5	6.2	6.5	3.6	4.4	7.1	5.3
United States	71.4	69.5	58.4	54.0	55.8	55.4	36.4	47.5	53.5
Argentina	5.3	14.2	10.3	11.6	10.9	10.6	9.7	5.0	5.2
EEC <sup>3</sup>	5.0	5.6	4.0	4.2	4.3	8.5	8.0	6.7	8.6
Australia	4.1	2.3	3.1	1.0	5.5	6.4	5.0	3.1	2.5
South Africa	3.5	4.1	4.7	2.3	0.1	0.2	1.5	2.6	0.6
Thailand	2.2	2.4	3.5	2.3	3.3	3.5	4.0	2.6	0.9
U.S.S.R.	—	—	—	—	—	—	—	—	—
Others	2.7	6.0	5.1	8.0	6.6	12.2	14.2	9.1	6.5
WORLD TOTAL	98.8	108.8	96.6	89.6	93.0	100.4	83.2	83.9	83.1

<sup>1</sup>Includes corn, barley, oats, sorghum, millet, rye, and other grains.

<sup>2</sup>Subject to revision.

<sup>3</sup>Excluding intra-trade between member countries — Ten member countries through 1981-82 — Twelve members from 1982-83 forward.

\* Based on an October-September crop year for all countries except Canada.

Source: Canada — Canadian Grain Commission "Canadian Grain Exports" for 1987-88.

All previous years — Statistics Canada "Grain Trade of Canada", August-July crop year.

United States and other countries — USDA "World Grain Situation and Outlook", December 1988.

**TABLE XXI**  
**WORLD IMPORTS OF COARSE GRAINS<sup>1</sup>\***  
**CROP YEARS 1979-80 TO 1987-88**

Countries	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88 <sup>2</sup>
	(million of tonnes)								
EEC <sup>3</sup>	13.3	11.1	8.3	14.3	12.2	9.6	5.5	3.4	4.7
Other Western Europe	9.4	10.3	12.7	1.6	1.3	1.3	1.1	1.6	1.3
Eastern Europe	11.5	10.2	6.1	4.9	3.9	3.8	5.7	3.3	4.1
U.S.S.R.	13.8	23.5	20.4	11.0	11.9	27.3	13.5	10.8	10.7
Japan	18.3	18.6	17.9	18.7	20.7	20.7	21.5	22.1	22.3
Others	32.5	35.1	31.2	39.2	43.0	37.7	35.9	42.7	40.0
WORLD TOTAL	98.8	108.8	96.6	89.7	93.0	100.4	83.2	83.9	83.1

<sup>1</sup>Includes corn, barley, oats, sorghum, millet, rye, and other grains.

<sup>2</sup>Subject to revision.

<sup>3</sup>Ten member countries to 1981-82 — Twelve members from 1982-83 forward.

\* Based on a October-September crop year.

Source: USDA "World Grain Situation and Outlook", December 1988.



**TABLE XXII**  
**EXPORTS OF WHEAT AND WHEAT FLOUR BY PRINCIPAL EXPORTERS**  
**DISTRIBUTION BY QUANTITY AND PERCENTAGE OF WORLD TRADE TOTAL**  
**JULY-JUNE CROP YEARS <sup>1</sup> 1968-69 TO 1987-88**

Crop Year	Argentina 000 tonnes	Australia 000 tonnes	Canada 000 tonnes	United States 000 tonnes	EEC 000 tonnes	Others 000 tonnes	Total 000 tonnes
1968-69	2 785 ( 6.1%)	5 369 (11.8%)	8 305 (18.2%)	15 023 (32.9%)	5 020 (11.0%)	9 097 (20.0%)	45 599 (100.0%)
1969-70	2 108 ( 4.1%)	7 250 (14.1%)	9 380 (18.3%)	16 792 (32.7%)	7 167 (13.9%)	8 695 (16.9%)	51 392 (100.0%)
1970-71	1 704 ( 3.1%)	9 492 (17.3%)	11 819 (21.5%)	20 140 (36.7%)	3 105 ( 5.7%)	8 591 (15.7%)	54 851 (100.0%)
1971-72	1 328 ( 2.5%)	8 736 (16.6%)	13 684 (26.1%)	16 901 (32.2%)	4 656 ( 8.9%)	7 191 (13.7%)	52 496 (100.0%)
1972-73	3 510 ( 5.2%)	5 562 ( 8.2%)	15 681 (23.0%)	31 734 (46.6%)	6 525 ( 9.6%)	5 041 ( 7.4%)	68 053 (100.0%)
1973-74	1 106 ( 1.8%)	5 509 ( 8.7%)	11 436 (18.1%)	31 273 (49.7%)	5 467 ( 8.7%)	8 184 (13.0%)	62 975 (100.0%)
1974-75	2 178 ( 3.5%)	8 049 (12.8%)	10 776 (17.1%)	28 304 (45.0%)	7 122 (11.3%)	6 516 (10.3%)	62 945 (100.0%)
1975-76	3 111 ( 4.6%)	8 072 (12.1%)	12 334 (18.4%)	31 669 (47.4%)	7 729 (11.6%)	3 953 ( 5.9%)	66 868 (100.0%)
1976-77	5 584 ( 9.0%)	8 357 (13.5%)	13 434 (21.6%)	26 080 (42.1%)	3 912 ( 6.3%)	4 643 ( 7.5%)	62 010 (100.0%)
1977-78	2 670 ( 3.7%)	11 144 (15.3%)	16 030 (22.1%)	31 538 (43.5%)	4 479 ( 6.2%)	6 677 ( 9.2%)	72 538 (100.0%)
1978-79	3 307 ( 4.6%)	7 246 (10.2%)	13 081 (18.4%)	32 311 (45.4%)	7 349 (10.3%)	7 906 (11.1%)	71 200 (100.0%)
1979-80	4 748 ( 5.4%)	15 364 (17.6%)	15 886 (18.1%)	37 198 (42.5%)	10 271 (11.7%)	4 063 ( 4.7%)	87 530 (100.0%)
1980-81	3 932 ( 4.2%)	11 088 (11.9%)	16 260 (17.5%)	41 936 (45.0%)	12 684 (13.6%)	7 254 ( 7.8%)	93 154 (100.0%)
1981-82	4 281 ( 4.2%)	11 405 (11.3%)	18 445 (18.3%)	48 776 (48.4%)	13 990 (13.9%)	3 984 (3.9%)	100 881 (100.0%)
1982-83	7 471 (7.7%)	8 530 (8.8%)	21 367 (22.0%)	39 939 (41.2%)	14 084 (14.5%)	5 630 (5.8%)	97 021 (100.0%)
1983-84	9 637 (9.5%)	11 554 (11.4%)	21 764 (21.4%)	38 860 (38.3%)	15 040 (14.8%)	4 642 (4.6%)	101 497 (100.0%)
1984-85	7 966 (7.8%)	15 090 (14.7%)	17 540 (17.1%)	38 092 (37.2%)	17 297 (16.9%)	6 386 (6.3%)	102 371 (100.0%)
1985-86	6 197 (7.3%)	16 014 (19.0%)	17 683 (20.9%)	25 000 (29.6%)	14 414 (17.1%)	5 148 (6.1%)	84 456 (100.0%)
1986-87	4 338 (5.1%)	14 973 (17.5%)	20 781 (24.3%)	28 418 (33.2%)	15 281 (17.8%)	1 807 (2.1%)	85 598 (100.0%)
1987-88 <sup>2</sup>	3 814 (4.2%)	12 215 (13.6%)	23 514 (26.2%)	43 429 (48.4%)	5 536 (6.2%)	1 276 (1.4%)	89 784 (100.0%)

<sup>1</sup>Canada: August-July.

<sup>2</sup>Subject to revision.

Source: Statistics Canada "Grain Trade of Canada" and Canadian Grain Commission "Canadian Grain Exports". Does not include bagged seed exports.

USDA "Wheat Situation" 1968-69 to 1974-75, "World Grain Situation and Outlook" 1975-76 to 1987-88.

All Others — IWC "World Wheat Statistics" 1988 and "Record of Operations" for 1987-88.



TABLE XXIII

IMPORTS OF WHEAT AND WHEAT FLOUR INTO SELECTED COUNTRIES FROM ALL SOURCES  
JULY-JUNE CROP YEARS 1968-69 TO 1987-88

Crop Year	Algeria	Arab Republic	Bangladesh	Brazil	China	Italy
	000 tonnes	of Egypt 000 tonnes				
1968-69	700	1 945	n/a	2 425	20	1 574
1969-70	259	2 220	n/a	2 081	5 040	1 290
1970-71	646	2 835	n/a	1 855	3 660	1 440
1971-72	885	2 591	690	1 475	2 967	1 379
1972-73	645	3 040	2 176	2 950	5 289	1 211
1973-74	1 600	3 180	1 750	2 440	5 831	3 088
1974-75	1 762	3 489	2 057	1 663	5 675	1 636
1975-76	1 593	3 588	1 050	3 755	2 287	1 910
1976-77	1 338	3 956	765	3 504	3 156	2 428
1977-78	1 705	4 637	1 183	3 382	8 635	4 185
1978-79	1 006	5 541	1 221	3 739	1 969	1 242
1979-80	1 986	5 156	2 171	4 868	8 680	1 294
1980-81	1 824	6 755	659	3 855	13 775	1 914
1981-82	2 294	6 012	1 165	4 589	13 223	1 552
1982-83	2 064	6 188	1 564	3 879	12 963	1 190
1983-84	2 365	7 331	1 632	4 320	9 786	1 370
1984-85	2 164	6 819	2 189	4 934	7 429	515
1985-86	2 395	6 773	1 460	2 445	6 930	672
1986-87	2 341	7 102	1 622	2 879	8 722	1 268
1987-88 <sup>1</sup>	2 951	6 426	1 547	2 023	14 799	806

Crop Year	Japan	Netherlands	Poland	Republic	United	U.S.S.R.
	000 tonnes	000 tonnes	000 tonnes	of Korea 000 tonnes	Kingdom 000 tonnes	000 tonnes
1968-69	4 183	1 279	1 154	4 183	4 576	147
1969-70	4 425	1 618	1 195	1 673	4 781	1 105
1970-71	4 834	1 310	1 972	1 752	5 359	315
1971-72	4 965	1 482	1 553	1 784	3 829	3 409
1972-73	5 486	2 049	1 000	1 736	4 535	15 000
1973-74	5 353	1 526	1 758	1 627	3 114	4 389
1974-75	5 404	1 684	1 234	1 703	2 935	2 934
1975-76	5 923	2 152	2 061	1 493	4 264	10 096
1976-77	5 522	1 401	2 885	1 832	3 422	4 559
1977-78	5 690	1 499	2 470	1 786	3 841	6 340
1978-79	5 584	1 218	2 323	1 702	1 491	5 024
1979-80	5 571	1 001	3 827	1 813	1 695	11 686
1980-81	5 930	1 055	3 877	2 072	1 380	14 911
1981-82	5 637	1 025	3 818	1 907	1 544	19 645
1982-83	5 597	579	2 899	1 804	1 119	20 140
1983-84	5 901	663	2 025	2 510	1 016	20 560
1984-85	5 748	518	2 057	3 043	716	28 156
1985-86	5 485	511	1 644	3 006	802	15 301
1986-87	5 576	265	1 865	3 919	622	15 244
1987-88 <sup>1</sup>	5 671	84	1 651	3 331	422	18 917

<sup>1</sup> Subject to revision.

Source: IWC "World Wheat Statistics" 1987 and "Record of Operations", August 1988.



**TABLE XXIV**  
**SCHEDULE OF CANADIAN WHEAT BOARD PAYMENTS**  
**FOR NO. 1 CANADA WESTERN RED SPRING WHEAT<sup>1</sup>**  
**BASIS IN STORE THUNDER BAY OR VANCOUVER**  
**POOL ACCOUNT YEARS 1964-65 TO 1988-89**

Pool Account	Initial Payment \$ per tonne	Adjustment Payment \$ per tonne	Interim Payment \$ per tonne	Final Payment <sup>2</sup> \$ per tonne	Total Realized Price \$ per tonne
1964-65	55.12	—	—	14.22	69.34
1965-66	55.12	—	—	18.26	73.38
1966-67	55.12	—	—	17.89	73.01
1967-68	62.46	—	—	4.19	66.65
1968-69	62.46	—	—	—	62.46
1969-70	55.12	—	2.68 <sup>3</sup>	3.93 <sup>4</sup>	61.73
1970-71	55.12	—	—	6.28	61.40
1971-72	53.65	—	—	4.99	58.64
1972-73	53.65	11.02	—	14.47	79.14
1973-74	82.67	55.12	—	30.42	168.21
1974-75	82.67	55.12	—	26.60	164.39
1975-76	82.67	55.12	—	8.49	146.28
1976-77	110.23	—	—	6.92	117.15
1977-78	110.23	—	—	10.07	120.30
1978-79	110.23	18.37	—	31.93	160.53
1979-80	128.60	27.56	—	40.27	196.43
1980-81 <sup>5</sup>	156.16	40.34	—	25.62	222.12
1981-82	174.50	—	—	25.12	199.62
1982-83	174.50	—	—	17.84	192.34
1983-84	170.00	—	—	23.98	193.98
1984-85	170.00	—	—	16.37	186.37
1985-86	160.00	—	—	—	160.00
1986-87	130.00	—	—	—	130.00
1987-88	110.00	10.00	—	14.02	134.02
1988-89	150.00	—	—	—	—

<sup>1</sup>Base grade prior to 1971-72 was No. 1 Northern Wheat.

<sup>2</sup>Final payment and final realized price after deduction of Board operating costs, but prior to deduction of P.F.A.A. Levy for years 1964-65 through 1969-70.

<sup>3</sup>Payment from Pool Account prior to payment from Temporary Wheat Reserves Act.

<sup>4</sup>Payment from Temporary Wheat Reserves Act.

<sup>5</sup>Crop years 1980-81 forward do not quote 1 CWRS 13% protein payment.





**TABLE XXV**

**SCHEDULE OF CANADIAN WHEAT BOARD PAYMENTS FOR NO. 1 CANADA WESTERN AMBER DURUM  
BASIS IN STORE THUNDER BAY OR VANCOUVER  
POOL ACCOUNT YEARS 1978-79 TO 1988-89**

Pool Account	Initial Payment \$ per tonne	Adjustment Payment \$ per tonne	Final Payment <sup>1</sup> \$ per tonne	Total Realized Price <sup>1</sup> \$ per tonne
1978-79	110.23	18.37	20.33	148.93
1979-80	128.60	36.75	39.50	204.85
1980-81	183.72	55.28	0.58	239.58
1981-82	174.50	—	25.84	200.34
1982-83	174.50	—	12.95	187.45
1983-84	165.00	15.00	24.04	204.04
1984-85	180.00	—	24.85	204.85
1985-86	160.00	—	21.30	181.30
1986-87	130.00	—	20.20	150.20
1987-88	110.00	15.00	44.36	169.36
1988-89	175.00			

<sup>1</sup>Final payment and final realized price after deduction of Board operating costs.

**TABLE XXVI**

**SCHEDULE OF CANADIAN WHEAT BOARD PAYMENTS FOR NO. 1 FEED OATS  
BASIS IN STORE THUNDER BAY  
POOL ACCOUNT YEARS 1974-75 TO 1988-89**

Pool Account	Initial Payment \$ per tonne	Adjustment Payment \$ per tonne	Final Payment <sup>1</sup> \$ per tonne	Final Realized Price <sup>1</sup> \$ per tonne
1974-75	68.08	6.48	32.76	107.32
1975-76	68.08	6.48	30.88	105.44
1976-77	74.57	—	9.58	84.15
1977-78	74.57	—	—	74.57
1978-79	74.00	—	11.41	85.41
1979-80	68.08	—	—	68.08
1980-81	68.08	20.00	37.31	125.39
1981-82	110.00	—	—	110.00
1982-83	90.00	—	9.53	99.53
1983-84	75.00	25.00	6.61	106.61
1984-85	100.00	—	12.31	112.31
1985-86	100.00	—	—	100.00
1986-87	75.00	—	18.27	93.27
1987-88	55.00	35.00 <sup>2</sup>	34.04	124.04
1988-89 <sup>3</sup>	160.00			

<sup>1</sup> Final payment and final realized price after deduction of Board operating costs.

<sup>2</sup> Represents an adjustment payment of \$25.00 a tonne in October 1987 and an additional \$10.00 a tonne in April 1988.

<sup>3</sup> Grade refers to No. 3 Canada Western Oats.



**TABLE XXVII**  
**SCHEDULE OF CANADIAN WHEAT BOARD PAYMENTS**  
**FOR NO. 1 CANADA WESTERN DESIGNATED OATS**  
**BASIS IN STORE THUNDER BAY**  
**POOL ACCOUNT YEARS 1981-82 TO 1988-89**

Pool Account	Initial Payment \$ per tonne	Adjustment Payment \$ per tonne	Final Payment <sup>1</sup> \$ per tonne	Final Realized Price <sup>1</sup> \$ per tonne
1981-82	140.00	—	30.39	170.39
1982-83	140.00	—	10.30	150.30
1983-84	125.00	15.00	16.83	156.83
1984-85	140.00	—	20.75	160.75
1985-86	130.00	—	20.25	150.25
1986-87	130.00	—	2.58	132.58
1987-88	100.00	25.00	18.59	143.59
1988-89	195.00			

<sup>1</sup>Final payment and final realized price after deduction of Board operating costs.

**TABLE XXVIII**  
**SCHEDULE OF CANADIAN WHEAT BOARD PAYMENTS FOR NO. 1 CANADA WESTERN BARLEY**  
**BASIS IN STORE THUNDER BAY**  
**POOL ACCOUNT YEARS 1974-75 TO 1988-89**

Pool Account	Initial Payment \$ per tonne	Adjustment Payment \$ per tonne	Final Payment <sup>1</sup> \$ per tonne	Final Realized Price <sup>1</sup> \$ per tonne
1974-75	71.19	27.56	8.30	107.05
1975-76	73.49	13.78	16.79	104.06
1976-77	80.38	—	11.12	91.50
1977-78	80.38	—	8.01	88.39
1978-79	76.00	3.67	11.41	91.08
1979-80	80.38	9.19	17.90	107.47
1980-81	124.01	6.99	15.55	146.55
1981-82	124.00	—	7.07	131.07
1982-83	110.00	—	—	110.00
1983-84	95.00	15.00	28.02	138.02
1984-85	110.00	15.00	6.30	131.30
1985-86	110.00	—	—	110.00
1986-87 <sup>2</sup>	80.00	—	—	80.00
1987-88	60.00	5.00	9.08	74.08
1988-89	120.00			

<sup>1</sup>Final payment and final realized price after deduction of Board operating costs.

<sup>2</sup>Base grade prior to 1986-87 was No. 1 Feed Barley.

**TABLE XXIX**

**DESIGNATED BARLEY SCHEDULE OF PAYMENT FOR SELECT CANADA WESTERN 6-ROW  
BASIS IN STORE THUNDER BAY  
POOL ACCOUNT YEARS 1975-76 TO 1988-89**

Pool Account	Initial Payment \$ per tonne	Adjustment Payment \$ per tonne	Final Payment <sup>1</sup> \$ per tonne	Final Realized Price <sup>1</sup> \$ per tonne
1975-76	75.78	13.78	71.42	160.98
1976-77	105.64	—	42.95	148.59
1977-78	98.75	—	8.43	107.18
1978-79	98.75	—	20.76	119.51
1979-80	98.75	34.45	34.54	167.74
1980-81	133.20	34.80	39.30	207.30
1981-82	158.00	—	27.79	185.79
1982-83	158.00	—	5.38	163.38
1983-84	140.00	—	28.09	168.09
1984-85	140.00	15.00	33.94	188.94
1985-86	155.00	—	28.39	183.39
1986-87 <sup>2</sup>	150.00	—	—	150.00
1987-88	100.00	20.00	23.17	143.17
1988-89	175.00			

<sup>1</sup>Final payment and final realized price after deduction of Board operating costs.

<sup>2</sup>Base grade prior to 1986-87 was No. 2 Canada Western 6-Row.



**TABLE XXX**  
**EXPORT PRICES FOR THE MAJOR EXPORTING COUNTRIES**  
**JULY-JUNE CROP YEARS 1976-77 TO 1987-88**

Crop Years	C A N A D A <sup>1</sup>			UNITED STATES	
	St. Lawrence	Pacific Coast	Pacific Coast	Pacific Coast	Gulf Coast
	1 CWRS 13.5% Cdn. \$ per tonne	1 CWRS 13.5% Cdn. \$ per tonne	1 CWRS 13.5% U.S. \$ per tonne	DNS 14% U.S. \$ per tonne	HWO U.S. \$ per tonne
1976-77	140.00	143.00	142.00	136.00	113.00
1977-78	147.00	151.00	137.00	129.00	116.00
1978-79	185.00	191.00	164.00	151.00	141.00
1979-80	231.00	236.00	202.00	186.00	174.00
1980-81	264.00	272.00	230.00	210.00	182.00
1981-82	238.00	244.00	201.00	184.00	171.00
1982-83	229.00	235.00	190.00	174.00	159.00
1983-84	238.00	242.00	193.00	178.00	154.00
1984-85	237.00	252.00	188.00	170.00	148.00
1985-86	252.00	249.00	180.00	161.00	128.00
1986-87	188.00	201.00	148.00	126.00	110.00
1987-88					
July	169.00	195.00	147.00	125.00	106.00
August	167.00	198.00	149.00	123.00	108.00
September	172.00	203.00	154.00	129.00	114.00
October	178.00	204.00	155.00	133.00	117.00
November	178.00	204.00	155.00	133.00	117.00
December	187.00	208.00	159.00	133.00	126.00
January	192.00	210.00	164.00	136.00	129.00
February	193.00	208.00	164.00	138.00	132.00
March	180.00	202.00	162.00	135.00	125.00
April	183.00	209.00	169.00	143.00	128.00
May	191.00	218.00	176.00	147.00	130.00
June	243.00	265.00	218.00	178.00	152.00
	A U S T R A L I A	A R G E N T I N A	E E C		
Crop Years	ASW	Trigo Pan	Standard Wheat		
	U.S. \$ per tonne	U.S. \$ per tonne	Specified Zones U.S. \$ per tonne		
1976-77	113.00	107.00	—		
1977-78	119.00	116.00	97.00		
1978-79	142.00	132.00	133.00		
1979-80	169.00	192.00	171.00		
1980-81	181.00	204.00	170.00		
1981-82	165.00	178.00	150.00		
1982-83	164.00	148.00	132.00		
1983-84	154.00	137.00	146.00		
1984-85	150.00	125.00	131.00		
1985-86	133.00	102.00	111.00		
1986-87	110.00	84.00	83.00		
1987-88					
July	108.00	82.00	78.00		
August	109.00	—	75.00		
September	—	—	83.00		
October	119.00	96.00	75.00		
November	118.00	—	79.00		
December	126.00	—	80.00		
January	127.00	96.00	85.00		
February	134.00	107.00	87.00		
March	133.00	109.00	88.00		
April	132.00	109.00	89.00		
May	130.00	—	92.00		
June	149.00	123.00	101.00		

<sup>1</sup>Canadian Wheat Board official "in store" prices converted to f.o.b. at current FOB rates — Australian Wheat Board selling price (f.o.b.) Australian Standard Wheat.

Source: IWC "World Wheat Statistics" and Canadian Wheat Board for 1987-88 Canadian prices.

— Not quoted.



**TABLE XXXI**

**SCHEDULE OF TOTAL NUMBER OF CANADIAN WHEAT BOARD DELIVERY PERMITS  
ISSUED TO PRODUCERS  
CROP YEARS 1962-63 TO 1987-88**

Crop Year	Manitoba	Saskatchewan	Alberta and British Columbia	Total
1962-63	41,352	102,420	77,366	221,138
1963-64	39,471	100,202	75,206	214,879
1964-65	39,027	98,028	73,888	210,943
1965-66	38,013	95,541	71,632	205,186
1966-67	36,258	92,302	69,494	198,054
1967-68	35,107	89,761	67,189	192,057
1968-69	35,332	88,304	66,970	190,606
1969-70	35,203	88,378	66,423	190,004
1970-71	33,602	85,453	63,654	182,709
1971-72	33,124	82,876	60,886	176,886
1972-73	31,963	80,706	58,943	171,612
1973-74	31,042	78,775	56,654	166,471
1974-75	29,348	77,098	53,262	159,708
1975-76	29,326	76,101	52,689	158,116
1976-77	28,579	75,440	52,638	156,657
1977-78	28,283	74,630	50,834	153,747
1978-79	27,545	73,803	50,199	151,547
1979-80	26,366	72,400	48,891	147,657
1980-81	25,784	71,400	48,464	145,648
1981-82	25,829	71,533	48,655	146,017
1982-83	25,741	71,404	48,588	145,733
1983-84	25,586	71,505	48,378	145,469
1984-85	25,180	70,778	47,605	143,563
1985-86	24,914	70,679	47,730	143,323
1986-87	24,600	70,785	48,043	143,428
1987-88	25,271	70,686	48,280	144,237























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The Canadian Wheat Board  
**ANNUAL REPORT**  
1988/89 CROP YEAR







# **THE CANADIAN WHEAT BOARD**

**ANNUAL REPORT  
1988-89**



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Copies of this Annual Report are available in French upon request.

### Members of the Board

W.E. Jarvis .....	Chief Commissioner
R.L. Kristjanson .....	Assistant Chief Commissioner
F.M. Hetland .....	Commissioner
W.H. Smith .....	Commissioner
R.H. Klassen .....	Commissioner

### Executive Officers

David Olfert .....	Executive Director - Finance and Treasurer
G.P. Machej .....	Executive Director - Marketing
B. Oleson .....	Executive Director - Planning
L.C. Evans .....	Corporate Secretary

### Canadian Offices

Winnipeg, Manitoba .....	Head Office
Vancouver, British Columbia .....	G.N. Hedalen, Manager
Montreal, Quebec .....	F.H. Reid, Manager

### Overseas Offices

Tokyo, Japan .....	T. Ono, Manager
--------------------	-----------------



Honourable Charles Mayer  
Minister of State,  
Grains and Oilseeds  
Ottawa, Ontario

Winnipeg, Manitoba  
March 31, 1990

Sir:

We are pleased to submit the Annual Report of the Canadian Wheat Board for the crop year ending July 31, 1989, as required by the Canadian Wheat Board Act.

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# PART I

## THE INTERNATIONAL GRAIN MARKET

### INTRODUCTION

The 1988-89 crop year did not leave fond memories in the minds of Western Canadian grain growers. The drought of 1988 was the worst in recent memory. Dry conditions also prevailed in various grain-growing areas of the United States. Due to the drought, however, leading grain price indicators rebounded to levels that had not been seen since the mid-seventies when the combination of the energy crisis and global food shortages resulted in a widely held perception that the world was about to "starve in the dark". On the other hand, the U.S.-European Community trade war was still being fought, and this continued to have a depressing effect on actual sales values in many markets.

Canadian exports of the six major grains (including flour) and oilseeds totaled 18.2 million tonnes, a 41 per cent decrease over the previous year's 30.7 million tonnes. As a result, Canada's share of the international grain market fell markedly.

The combination of drought in Canada, dry conditions and reduced acreage in the United States, resulted in a significant drop in 1988-89 wheat and coarse grains production. For the second year in a row, world grain consumption was greater than production. Concerns over grain surpluses, which had been a major concern throughout the decade, shifted to concerns about tight supplies and dwindling carryover. World wheat trade fell during 1988-89 from the previous year, but was still hovering at 10-year-average levels. Trade in coarse grains, however, was significantly greater than in the previous year. The drop in wheat and coarse grains production resulted in a significant drop in world carryover stocks at the end of 1988-89.

### WHEAT

#### Production

World wheat production fell in 1988-89 to 502.3 million tonnes, compared to 510.4 million tonnes in 1987-88.

**TABLE 1**  
**WORLD WHEAT PRODUCTION**

	1988 <sup>1</sup>	1987
	(Millions of Tonnes)	
<b>EUROPE</b>	<b>122.1</b>	<b>114.2</b>
EEC <sup>2</sup>	75.0	71.6
Others	47.1	42.6
<b>U.S.S.R.</b>	<b>84.5</b>	<b>83.3</b>
<b>NORTH &amp; CENTRAL AMERICA</b>	<b>68.5</b>	<b>87.0</b>
U.S.A.	49.3	57.3
Canada	16.0	25.9
Others	3.3	3.8
<b>SOUTH AMERICA</b>	<b>16.5</b>	<b>17.5</b>
Argentina	8.1	8.8
Brazil	5.8	6.1
Others	2.6	2.6
<b>ASIA</b>	<b>151.3</b>	<b>150.1</b>
China	86.4	85.8
India	45.1	45.6
Others	19.8	18.7
<b>MIDDLE EAST</b>	<b>31.5</b>	<b>32.9</b>
Iran	6.5	8.0
Saudi Arabia	3.0	2.8
Turkey	18.5	18.9
Others	3.5	3.2
<b>AFRICA</b>	<b>13.5</b>	<b>12.6</b>
Algeria	1.0	1.2
Egypt, Arab Rep. of	2.8	2.7
Morocco	4.0	2.4
South Africa	3.5	3.1
Others	2.2	3.2
<b>OCEANIA</b>	<b>14.3</b>	<b>12.7</b>
Australia	14.1	12.4
Others	.2	.3
<b>WORLD TOTAL<sup>3</sup></b>	<b>502.3</b>	<b>510.4</b>

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

<sup>3</sup> Totals may not add due to rounding

Source: For Canada - Statistics Canada

For all other countries - IWC Market Report, November 1989





World wheat production was lower than consumption for the second year in a row.

Smaller wheat crops in Canada and the U.S. are the main reason for the decrease in 1988-89 world wheat production. Canadian wheat production fell 38 per cent to 16 million tonnes. United States wheat production fell 14 per cent to 49.3 million tonnes. Increased production of wheat in Eastern and Western Europe offset some of the decline in North American production.

In 1988-89 the U.S.S.R. and China, the world's largest wheat producers, both had small increases in production.

## Trade

World wheat trade (including durum) fell almost nine million tonnes in 1988-89 to 97.7 million tonnes. Canadian exports fell dramatically due to reduced supplies after a drought-reduced crop was harvested. Exports from the United States were down as well, but not to the same extent. The European Community increased its wheat exports by almost one-third.

On the importing side, there was a significant decrease in imports by the U.S.S.R. This was attributed to higher quality crops in the Soviet Union than in the previous year. China, however, remained a large importer and maintained its 1988-89 imports of wheat at levels of the previous year. These countries had been targeted by the U.S. under its Export Enhancement Program (EEP) and

made extensive use of it. In 1988-89, over 90 per cent of U.S. wheat sales to the U.S.S.R. and China were subsidized through the EEP program. Other than in the Far East, most importing areas showed a drop in wheat imports for 1988-89 from the previous year.

## Carryover Stocks

World carryover stocks of wheat continued to decline in 1988-89 with a drop of 29.3 million tonnes to 104.3 million tonnes.

Approximately half of the decrease in carryover stocks occurred in the U.S. Stocks in the EEC, Canada, China and India were also lower. Such low carryover stocks relative to consumption have not been seen since the mid-seventies. At that time such stock levels, as well as other economic factors, resulted in significantly higher wheat prices.

## Price

Wheat prices began a strong rally in the spring of 1988 because of the increasing severity of the drought on the Canadian Prairies, and U.S. wheat and corn areas.

U.S. f.o.b. prices for hard red winter wheats, for example, rose to U.S.\$160.02 f.o.b. per tonne in late June. Pressure of new crop deliveries softened prices to an average of around U.S.\$145 f.o.b. per tonne in August. However, prices rose back up again in September to U.S.\$160.66 per tonne because of good demand and recognition of a very tight North American supply situation.

There was little change to wheat prices through the winter months. U.S. prices strengthened in early May, 1989, with the announcement of a new subsidized wheat allocation to the Soviet Union and because of a severe drought in the U.S. hard red winter wheat area. However, prices began to decline again at the end of May and into June on more limited export demand, rain in the U.S. hard red winter wheat area, and the potential for a good U.S. corn crop. Again using U.S. hard red winter wheat prices as an example, prices fell from a May average of U.S.\$180.98 per tonne to a September average of U.S.\$166.80 per tonne.

Continued use of export subsidies by the United States and the EC kept actual prices considerably below those U.S. f.o.b. prices previously mentioned. Bonuses for

**TABLE 2**  
**EXPORTS OF WHEAT AND WHEAT FLOUR**  
**BY PRINCIPAL EXPORTERS**

	1988-89 <sup>1</sup>	1987-88
	(Millions of Tonnes)	
Argentina	3.2	3.8
Australia	10.9	12.2
Canada	12.4	23.5
United States	39.2	44.4
EEC <sup>2</sup>	19.4	14.7
Others	12.1	7.2
<b>WORLD TOTAL</b>	<b>97.2</b>	<b>105.8</b>

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

Source: For Canada - Statistics Canada and Canadian Grain Commission (August-July crop year)

For all other countries - IWC Market Report, November 1989, (July-June crop year)



**TABLE 3**  
**WORLD WHEAT CARRYOVER STOCKS**

	1989 <sup>1</sup>	1988
	(Millions of Tonnes)	
<b>EUROPE (includes U.S.S.R.)</b>	<b>31.8</b>	<b>35.4</b>
EEC <sup>2</sup>	13.2	15.9
Others	18.6	19.5
<b>NORTH &amp; CENTRAL AMERICA</b>	<b>24.6</b>	<b>42.1</b>
U.S.A.	19.0	34.3
Canada	5.1	7.2
Others	.5	.6
<b>SOUTH AMERICA</b>	<b>4.2</b>	<b>4.6</b>
Brazil	3.3	3.3
Argentina	.2	.5
Others	.7	.8
<b>ASIA</b>	<b>33.1</b>	<b>39.0</b>
China	21.3	24.0
India	7.0	10.0
Others	4.8	5.0
<b>MIDDLE EAST</b>	<b>6.1</b>	<b>6.2</b>
Turkey	.6	.6
Others	5.5	5.6
<b>AFRICA</b>	<b>2.7</b>	<b>3.7</b>
Algeria	.2	.3
Egypt, Arab Rep. of	1.0	1.0
Morocco	.6	.2
South Africa	.2	.5
Others	.7	1.7
<b>OCEANIA</b>	<b>1.8</b>	<b>2.6</b>
Australia	1.8	2.6
Others	—	—
<b>WORLD TOTAL</b>	<b>104.3</b>	<b>133.6</b>

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

Source: International Wheat Council, July-June crop year

## **DURUM**

### **Production**

World production of durum in 1988-89 was 24.9 million tonnes, a 13 per cent drop from the 28.6 million tonnes in the previous year. This production setback was mainly due to severe drought in North America, as well as reduced plantings and dry weather in Italy. In Tunisia, the crop was virtually eliminated by drought. Morocco had a substantially larger crop.

Canadian durum was severely affected by drought, cutting 1988 production to half of the year before. Although planted acreage in the U.S. was the same as in the previous year, harvested acreage dropped by 15 per cent. U.S. wheat yields dropped almost 50 per cent for a production decline in 1988-89 to 1.2 million tonnes, or about half of the production of the previous year.

Although the eastern U.S.S.R. had disappointingly low yields due to dry weather, the quality of its crop was viewed as being considerably better than the previous year's crop which had suffered under a rain-affected harvest.

### **Trade**

For 1988-89 world trade in durum was down nine per cent to 4.9 million tonnes from 5.4 million tonnes in the previous year. Algeria, the largest importer of durum, was normally supplied by Canada and the United States. However, the European Community, mainly through Italian intervention stocks, provided Algeria with the bulk of its durum requirements. Due to lower production in North America, EC durum exports to third world countries more than doubled over the previous year. The U.S.S.R., another large importer, was a large purchaser but at lower levels than in the previous year.

### **Carryover**

In spite of substantially lower production in 1988-89, Canada maintained a healthy level of durum exports by substantially reducing its stock levels. The high export levels of durum by Canada and the EC substantially reduced their carryover stocks which resulted in a 40 per cent reduction in world carryover levels. Such levels,

hard red winter wheat under the U.S. EEP program reached a high of U.S.\$36.79 per tonne in September of 1988. EEP offers for Dark Northern Spring wheats were much more restrictive because of the tight North American supply for spring wheats. In October of 1988, U.S. government bonuses for spring wheat reached a high of U.S.\$24.97 per tonne.



**TABLE 4**  
**WORLD DURUM PRODUCTION**

	1988 <sup>1</sup> (Thousands of Tonnes)	1987 (Thousands of Tonnes)
<b>WESTERN EUROPE</b>	<b>6 720</b>	<b>7 565</b>
Austria	40	40
EEC <sup>2</sup>	6 680	7 525
France	1 120	1 386
Greece	1 160	1 178
Italy	3 917	4 476
Portugal	32	43
Spain	341	297
<b>NORTH AMERICA</b>	<b>3 299</b>	<b>6 635</b>
Canada	1 979	4 014
U.S.A.	1 220	2 521
<b>SOUTH AMERICA</b>	<b>200</b>	<b>210</b>
Argentina	80	90
<b>MIDDLE EAST</b>	<b>7 300</b>	<b>6 800</b>
Syria	600	640
Turkey	6 500	6 000
<b>NORTH AFRICA</b>	<b>2 744</b>	<b>3 318</b>
Algeria	666	777
Morocco	1 766	1 126
Tunisia	167	1 065
Others <sup>3</sup>	4 637	4 072
<b>WORLD TOTAL</b>	<b>24 900</b>	<b>28 600</b>

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

<sup>3</sup> Includes Estimates for the U.S.S.R., Eastern Europe and Far East Asia

Source: International Wheat Council, Canada - Statistics Canada

**TABLE 5**  
**EXPORTS OF DURUM BY PRINCIPAL EXPORTERS**

	1988-89 <sup>1 &amp; 2</sup> (Thousands of Tonnes)	1987-88 (Thousands of Tonnes)
Canada	2 003	2 754
EEC <sup>3</sup>	1 800	765
U.S.A.	477	1 478
Others	600	433
<b>WORLD TOTAL</b>	<b>4 880</b>	<b>5 430</b>

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> July-June crop year except for Canada which is an August-July crop year

<sup>3</sup> Twelve Member States

Source: For Canada - Statistics Canada "Grain Trade of Canada" and Canadian Grain Commission "Canadian Grain Exports"  
For all other countries - IWC Market Report, November 1989

**TABLE 6**  
**WORLD DURUM CARRYOVER STOCKS**  
**IN THE MAJOR EXPORTING COUNTRIES**

	1988-89 <sup>1</sup> (Thousands of Tonnes)	1987-88 (Thousands of Tonnes)
Canada (August-July)	815	1 541
EEC <sup>2</sup> (July-June)	1 600	3 100
U.S.A. (June-May)	1 600	2 300
<b>WORLD TOTAL</b>	<b>4 015</b>	<b>6 941</b>

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

Source: IWC Market Report, November 1989, for the EEC and U.S.A.  
Statistics Canada for Canadian figures

although not as low as other types of wheat, are lower than has been seen in the past several years.

## Price

Drought in Canada and in the U.S. was most severe in the major durum-growing areas, Saskatchewan and North Dakota. Minneapolis cash prices peaked in June, then drifted sideways to downwards for the rest of the crop year. This downward price pressure is in part due to significant exports by the EC. In some instances EC export refunds were as high as U.S.\$234 per tonne for semolina and \$21.94 per tonne for durum.

## COARSE GRAINS

### Production

World coarse grain production in 1988-89 was 728.5 million tonnes compared to 796.0 million tonnes in the previous year. These statistics include corn, barley, oats, sorghum, rye, millet, triticale, and mixed grains.

World coarse grain production in 1988-89 was heavily influenced by events occurring in the U.S. In spite of a drop in set-aside acreage and an increase in planted corn, U.S. production of coarse grains dropped by almost one-third. Due to the worst drought in 50 years, which inhibited pollination and stunted growth in the U.S. corn crop, yields fell by about 30 per cent from the previous year. Barley and oats were similarly hard hit by dry weather. Production of these grains dropped 48 per cent





**TABLE 7**  
**WORLD PRODUCTION OF COARSE GRAINS**

	1988 <sup>1</sup>	1987
	(Millions of Tonnes)	
<b>WESTERN EUROPE</b>	<b>99.5</b>	<b>93.5</b>
EEC <sup>2</sup>	88.3	82.7
Denmark	6.0	4.9
France	26.5	25.3
Germany, Fed. Rep. of	15.1	13.8
Italy	8.4	8.0
Spain	16.8	14.4
United Kingdom	9.4	9.7
Others EEC	6.1	6.6
Sweden	3.5	3.6
Others	7.7	7.2
<b>EASTERN EUROPE</b>	<b>61.9</b>	<b>64.2</b>
German Dem. Rep.	6.3	7.3
Hungary	7.6	8.3
Poland	16.9	18.1
Romania	12.5	12.5
Yugoslavia	8.7	9.7
Others	9.9	8.3
<b>U.S.S.R.</b>	<b>97.6</b>	<b>114.0</b>
<b>NORTH &amp; CENTRAL AMERICA</b>	<b>186.7</b>	<b>259.3</b>
Canada	19.7	25.5
Mexico	13.8	14.5
U.S.A.	149.6	215.9
Others	3.6	3.4
<b>SOUTH AMERICA</b>	<b>41.6</b>	<b>47.0</b>
Argentina	6.7	13.4
Brazil	27.1	25.9
Others	7.8	7.7
<b>ASIA</b>	<b>170.5</b>	<b>159.5</b>
China	94.7	96.2
India	32.6	23.5
Indonesia	4.8	5.8
Thailand	4.8	2.9
Turkey	10.7	10.2
Others	22.9	20.9
<b>AFRICA</b>	<b>63.2</b>	<b>50.5</b>
Egypt, Arab Rep. of	4.8	4.3
Nigeria	8.5	6.8
South Africa	12.4	7.9
Sudan	1.5	1.5
Others	36.0	30.0
<b>OCEANIA</b>	<b>7.5</b>	<b>8.0</b>
Australia	6.9	7.4
Others	.6	.6
<b>WORLD TOTAL</b>	<b>728.5</b>	<b>796.0</b>

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

Source: For Canada - Statistics Canada

For all other countries - IWC Market Report, December 1989

**TABLE 8**  
**EXPORTS OF COARSE GRAINS**  
**BY PRINCIPAL EXPORTERS (July-June Crop Year)**

	1988-89 <sup>1</sup>	1987-88
	(Millions of Tonnes)	
Argentina	4.7	4.4
Australia	2.1	2.2
Canada	3.5	5.2
China	4.8	3.6
EEC <sup>2 &amp; 3</sup>	11.1	8.5
South Africa	1.1	1.6
Thailand	1.7	1.2
U.S.A.	62.7	51.6
Others	6.1	8.4
<b>WORLD TOTAL</b>	<b>97.8</b>	<b>86.7</b>

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

<sup>3</sup> Excluding EEC Intra-Trade

Source: For Canada - Canadian Grain Commission and Statistics Canada

For all other countries - IWC Market Report, November 1989

and 41 per cent respectively, while sorghum production fell by 22 per cent.

As well, production of coarse grains fell in the U.S.S.R. by 14 per cent due to unfavourable pre-harvest weather in major producing areas. Prolonged drought in Argentina cut their coarse grain production in half. However, good crop conditions in India, Africa and Western Europe counter-balanced the drop in production in other areas.

### Trade

World coarse grains trade in 1988-89 was heavily influenced by poor crops in the U.S.S.R., and jumped to 97.8 million tonnes from 86.7 million tonnes in 1987-88.

As corn production in the U.S. deteriorated over the course of the growing season, prices soared for corn and other coarse grains. This prompted many countries to accelerate their purchases of corn in the U.S. The large jump in trade was mostly due to the U.S.S.R. increasing its imports of U.S. coarse grains (mainly corn) by 150 per cent over the previous year. In spite of a large increase in production of coarse grains in Africa, import levels were almost the same as in the previous year. Imports by countries other than the U.S.S.R. remained largely unchanged during 1988-89.



## Carryover Stocks

With world production of coarse grains down sharply in 1988-89 and imports of corn up sharply in the U.S.S.R., world carryover stocks were reduced for a second year in a row. USDA estimates of ending stocks for 1988-89 were 145.5 million tonnes, down 32 per cent from 213.4 million tonnes in 1987-88.

## Price

The U.S. price of corn at the beginning of the crop year was near its yearly high and traded in a narrow range until May of 1989 when moisture conditions in the U.S. corn belt improved and changed the market's assessment of future supplies. By the end of the 1988-89 crop year, prices had dropped 18 per cent from where they were at the beginning of the crop year.

Corn, which is the dominant coarse grain in terms of world trade, was not sold with export subsidies. Instead, the U.S. targeted barley as their main vehicle in their ongoing subsidy war with the EEC. However, lower barley supplies in the U.S. had a significant impact on U.S. EEP subsidies for barley. During 1988-89, U.S. export subsidies on barley ranged from U.S.\$3-\$17 per tonne compared to U.S.\$30-\$45 in 1987-88.

## BARLEY

### Production

World production of barley for 1988-89 was 167.8 million tonnes, down 8.3 per cent from the previous year. The U.S.S.R. experienced poor pre-harvest weather in key areas, which cut their production by 24 per cent. This drop in barley production accounted for the large drop in coarse grains production in the U.S.S.R. for 1988-89. Canadian production was also down 27 per cent at 10.2 million tonnes, the lowest production level since 1979. The EEC became the largest barley producer in 1988-89 with production of 50.6 million tonnes.

### Trade

World trade in barley fell marginally in 1988-89 to 16.3 million tonnes. Lower production levels in Canada and the U.S. resulted in significantly lower exports. However, the EEC, with increased production, stepped in with an

**TABLE 9**  
**WORLD BARLEY PRODUCTION**

	1988 <sup>1</sup>	1987
	(Millions of Tonnes)	
Australia	3.3	3.5
Canada	10.2	14.0
China	6.3	6.0
Eastern Europe	15.7	15.6
EEC <sup>2</sup>	50.6	47.1
U.S.A.	6.3	11.5
U.S.S.R.	44.5	58.4
Others	30.9	26.9
<b>WORLD TOTAL</b>	<b>167.8</b>	<b>183.0</b>

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States

Source: IWC Market Report, November 1988, for all countries except Canada  
Canada - Statistics Canada

**TABLE 10**  
**EXPORTS OF BARLEY**

	1988-89 <sup>1</sup>	1987-88
	(Millions of Tonnes)	
Australia	1.5	1.5
Canada	2.6	4.4
EEC <sup>2</sup>	9.3	6.9
U.S.A.	1.6	2.9
Others	1.3	1.6
<b>WORLD TOTAL</b>	<b>16.3</b>	<b>17.3</b>

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Twelve Member States excluding Intra-Trade

Source: For Canada - Statistics Canada and Canadian Grain Commission  
(August-July crop year)

For all other countries - IWC Market Report, November 1989

increase in barley exports of 35 per cent over 1987-88. Import demand for barley by the Eastern European countries and the U.S.S.R. countered drops in Near East Asian and Far East Asian countries.

### Price

Due to reduced global production, barley prices were significantly higher during 1988-89 which cut into import demand. The U.S. substantially reduced its use of the EEP for barley so that only two-thirds of U.S. barley exports were sold under export subsidy in 1988-89, compared to 100 per cent in 1987-88. In addition to this reduced level of support, export subsidies for barley were





down significantly from 1987-88 subsidies which were in the range of U.S.\$30-\$45 compared to U.S.\$3-\$17 in 1988-89. Barley prices started to slide in the latter part of the crop year on prospects of a larger 1989 North American crop and sluggish demand.

## OATS

World trade in oats, as estimated by the International Wheat Council, increased to 1.4 million tonnes in 1988-89, a 19 per cent increase over 1987-88. This high level of activity was mainly due to a record level of imports by the U.S. of 860 000 tonnes of oats compared to 690 000 tonnes in the previous year. This increase in demand for imported oats by the U.S. was due to a substantial shortfall in oats output and an increased demand by health-conscious consumers. Canadian statistics show Canada shipped about 703 000 tonnes, almost all of which was destined for the U.S.

This increased demand for high-quality food and feed oats in the U.S. was a continuation of the trend from 1987-88 and helped propel oats prices to significantly higher levels over 1987-88. However, in the latter part of the crop year, with the return to higher levels of oats production in the U.S., oats values began to decline dramatically.



## PART II

# SALES OF CANADIAN GRAIN

### WHEAT AND WHEAT PRODUCTS

Exports of Canadian wheat and durum wheat were 12.4 million tonnes in 1988-89. This was a 47 per cent decrease from the previous year, and the lowest on record since the late 1970s. Even though Western Canada realized a small crop as a result of drought and the lowest wheat carryover since 1952-53, the Wheat Board worked hard to meet Canadian grain customers' needs during the crop year. The result was impressive, with 58 different countries receiving Prairie wheat.

As shown in Table 11, individual purchases by the main customers were down from those of the previous two years. China remained Canada's largest wheat customer and the U.S.S.R. ranked second. Imports by many other countries remained relatively stable.

**TABLE 11**  
**CANADIAN WHEAT (INCLUDING DURUM) AND**  
**WHEAT FLOUR EXPORTS TO MAJOR MARKETS**

	1988-89 <sup>1</sup>	1987-88	1986-87
	(Thousands of Tonnes)		
China (PRC)	2 830	7 664	4 194
U.S.S.R.	2 666	4 500	5 391
Japan	1 355	1 484	1 349
Iraq	783	884	691
Cuba	605	953	1 250
Italy	410	439	634
United Kingdom	410	413	503
Algeria	337	764	448
Venezuela	323	532	150
United States	278	397	420
South Korea	38	617	1 173
Iran	26	1 113	128
Brazil	14	448	780
Others <sup>2</sup>	2 338	3 306	3 672
<b>Total</b>	<b>12 413</b>	<b>23 514</b>	<b>20 783</b>

<sup>1</sup> Preliminary: Subject to revision.

<sup>2</sup> Includes Bagged Seed Exports

Source: Canadian Grain Commission for 1988-89

Previous Years - Statistics Canada "Grain Trade of Canada"

**TABLE 12**  
**CANADIAN DURUM EXPORTS**  
**TO MAJOR MARKETS**

	1988-89 <sup>1</sup>	1987-88	1986-87
	(Thousands of Tonnes)		
U.S.S.R.	715	992	498
Algeria	326	611	423
Italy	214	231	480
United States	186	203	61
Japan	118	94	79
Venezuela	116	175	38
Libya	78	96	135
Belgium/Luxembourg	52	78	14
Cuba	47	64	58
German Dem. Rep.	10	53	47
Others	141	157	124
<b>Total</b>	<b>2 003</b>	<b>2 754</b>	<b>1 957</b>

<sup>1</sup> Preliminary: Subject to Revision

Source: Canadian Grain Commission for 1988-89

Previous Years - Statistics Canada

Western Canadian farmers supply a wide range of customers and many different sizes of shipments. In 1988-89, 13 countries purchased between 100 000 and 500 000 tonnes each, and 40 countries bought under 100 000 tonnes each. (See Table XII for a more detailed list of countries importing Canadian wheat.)

### DURUM WHEAT

Of total wheat exports of 12.4 million tonnes, about 2.0 million tonnes were durum wheat. This was down 27 per cent or 751 000 tonnes from the record of 1987-88. This was an aggressive pace for durum exports, particularly in a drought year. It meant that carryover stocks were reduced significantly by the end of the year.

Durum exports went to 19 countries during 1988-89. Table 12 shows the Soviet Union as the largest customer. Algeria continued to rank second. Both countries experienced a significant drop in purchases from 1987-88.



## OATS

In contrast to other grains, Canadian oats exports soared to 703 000 tonnes in 1988-89, compared to 278 000 tonnes in 1987-88. This was mainly because of a continuing aggressive marketing strategy by the Board, together with good crop conditions and continued strong demand for quality oats in the United States. Oats production was not affected as much as the other grains as the largest proportion is produced in areas that were not as hard hit by the drought. The Board exported 667 271 tonnes of the total to the United States. Other destinations included Belgium/Luxembourg, U.S.S.R. and Japan.

The federal government announced on January 19, 1989, that effective with the start of the 1989-90 crop year, the Wheat Board will no longer market Western oats domestically or for export.

## BARLEY AND BARLEY PRODUCTS

Canada's exportable barley supplies were well down because of the devastating drought. Consequently, barley exports, at 2.9 million tonnes, decreased for the third year in a row, with a 37 per cent drop from last year alone.

Table 13 shows the major customers. Barley exports reached 14 countries. Saudi Arabia remained the largest customer. Japan was the second largest importer.

Malting barley accounted for about 12 per cent or 349 000 tonnes of Canadian barley and barley product exports. Quantities and destinations for malting barley were 150 000 tonnes to the United States, 39 800 tonnes to Colombia, 8 300 tonnes to Ecuador, 22 400 tonnes to Mexico, 5 500 tonnes to Peru, and 123 300 tonnes to China.

## DOMESTIC WHEAT PRICES

Effective August 1, 1988, the federal government established a new policy for domestic wheat pricing whereby the selling price of wheat for human consumption in Canada would be based on the North American market. The government guaranteed that it would make up any

**TABLE 13  
CANADIAN BARLEY EXPORTS  
TO MAJOR MARKETS**

	1988-89 <sup>1</sup>	1987-88	1986-87
	(Thousands of Tonnes)		
Saudi Arabia	1 091	1 678	1 941
Japan	698	900	731
U.S.A.	213	278	118
German Dem. Rep.	176	260	467
China	123	278	285
Iraq	115	111	—
Iran	63	123	—
Israel	53	65	198
U.S.S.R.	—	208	2 149
Colombia	40	80	90
Others	45	393	554
<b>Total Bulk Grain</b>	<b>2 617</b>	<b>4 374</b>	<b>6 533</b>
<b>Malt</b>	<b>261</b>	<b>220</b>	<b>185</b>
<b>GRAND TOTAL</b>	<b>2 878</b>	<b>4 594</b>	<b>6 718</b>

<sup>1</sup> Preliminary: Subject to Revision

Source: Canadian Grain Commission for 1988-89  
Previous Years - Statistics Canada

difference between market value and the previous \$7.00-per-bushel level. Western Canadian farmers received this money through Wheat Board pool accounts. The support equaled the difference between the "old" domestic price (\$257.21 a tonne for No. 1 CWRS, 13.5%) and the "new" price based on the North American market. The Wheat Board received \$62.6 million from the federal government for the 1988-89 pool accounts. This support was added to the 1988-89 wheat pool account and became part of the farmer's return through final payments.

The change in federal policy also applied to durum wheat, but the 1988 drought pushed North American prices up sharply at the beginning of the 1988-89 crop year to a high of \$333.76 per tonne. Durum prices dropped during the crop year, with \$231.90 per tonne quoted for July 28, 1989. The federal government contributed over \$561,000 to the durum wheat pool account during the 1988-89 crop year in lieu of the two-price wheat program.



## DOMESTIC PRICES FOR MALTING BARLEY AND MILLING OATS

Domestic maltsters and oat millers, like domestic wheat and durum millers, buy their Prairie supplies from the Wheat Board. The Board sets prices at levels which take into account supply/demand factors as well as overall market conditions. Due to the drought conditions in both Canada and the United States, prices for these grains were at a high level at the beginning of the crop year. These prices have since dropped considerably.

## CREDIT SALES

The Wheat Board conducted less than nine per cent of its total wheat sales under credit during 1988-89. Barley credit sales accounted for only four per cent of total business. In all cases, the Board operates under a guarantee provided by the government, and within parameters set out by the federal government when it is requested by a customer to consider credit arrangements.

When a credit sale is entered into, the Board borrows money to fund the transaction. These funds are used to

pay the pool account and are included in any final payments. If there is any delay in payments, it results in further borrowing from the banks to cover the interest. The pool account is not affected.

The federal government guarantees the bank loans that the Wheat Board incurs to finance its credit sales. If the principal and interest amount owing on a credit sale cannot be recovered from the customer, the federal government would, under its guarantee, provide the funds to clear the Board's debt with the bank.

The bottom line from the Board's and farmers' perspective is that the government has clearly stated that they are guaranteeing the Board's receivables and bank loans, hence the farmer is not at risk.

Wheat Board credit sales of wheat, oats, and barley were down from the level of the year before. A total 1.2 million tonnes of grain was sold by the Wheat Board under credit in 1988-89, compared to 2.6 million tonnes the year before. Destinations of these sales are shown in Table 14.

## FOOD AID PROGRAMS

Export shipments of wheat and wheat flour under Canada's food aid programs decreased during the 1988-89 crop year to 906 788 tonnes. This compares to 978 816 tonnes in 1987-88 and 1.17 million tonnes in 1986-87.

Bangladesh was the largest recipient of food aid with shipments from all programs totaling 284 978 tonnes. Table 15 on the next page provides a list of all food aid shipments by country.

TABLE 14  
1988-89 CANADIAN GRAIN EXPORTS  
UNDER CREDIT AGREEMENTS

August 1/88 - July 31/89  
(Tonnes)

### WHEAT

Iraq	723 741
Algeria	326 214
Jamaica	38 769
Sub-Total	1 088 724

### BARLEY

Iraq	115 031
Sub-Total	115 031

TOTAL WHEAT & BARLEY 1 203 755





**TABLE 15**  
**WESTERN CANADIAN FOOD AID SHIPMENTS 1988-89 \***  
(August-July)  
(Tonnes)

Country	CIDA			World Food Program			Total		
	Wheat	Flour	Sub-Total	Wheat	Flour	Sub-Total	Wheat	Flour	Sub-total
Bangladesh	214 979	—	214 979	69 999	—	69 999	284 978	—	284 978
China (PRC)	—	—	—	95 800	21 250	117 050	95 800	21 250	117 050
Morocco	16 740	—	16 740	13 100	32 540	45 640	29 840	32 540	62 380
Mozambique	61 645	—	61 645	—	—	—	61 645	—	61 645
Sudan	—	28 407	28 407	—	5 671	5 671	—	34 078	34 078
Ethiopia	—	—	—	28 599	—	28 599	28 599	—	28 599
Tanzania	—	—	—	—	20 203	20 203	—	20 203	20 203
Yemen (PDR)	—	—	—	3 200	16 013	19 213	3 200	16 013	19 213
Tunisia	9 300	—	9 300	7 500	745	8 245	16 800	745	17 545
Bolivia	10 755	—	10 755	957	5 210	6 167	11 712	5 210	16 922
Ghana	16 000	—	16 000	—	—	—	16 000	—	16 000
Colombia	—	—	—	—	14 883	14 883	—	14 883	14 883
Brazil	—	—	—	14 280	—	14 280	14 280	—	14 280
Algeria	—	—	—	—	14 151	14 151	—	14 151	14 151
Jordan	—	—	—	—	14 141	14 141	—	14 141	14 141
Zambia	14 044	—	14 044	—	—	—	14 044	—	14 044
Jamaica	—	—	—	11 063	—	11 063	11 063	—	11 063
Mali	9 326	—	9 326	—	—	—	9 326	—	9 326
St. Lucia	—	—	—	8 346	—	8 346	8 346	—	8 346
Yemen (AR)	—	—	—	—	8 067	8 067	—	8 067	8 067
Sri Lanka	8 000	—	8 000	—	—	—	8 000	—	8 000
Egypt	—	—	—	7 575	—	7 575	7 575	—	7 575
Philippines	—	—	—	7 250	—	7 250	7 250	—	7 250
Indonesia	—	—	—	7 200	—	7 200	7 200	—	7 200
Syria	—	—	—	—	6 900	6 900	—	6 900	6 900
Senegal	6 830	—	6 830	—	—	—	6 830	—	6 830
Guinea	—	6 720	6 720	—	—	—	—	6 720	6 720
St. Vincent	—	—	—	6 714	—	6 714	6 714	—	6 714
Nepal	—	—	—	2 500	—	2 500	2 500	—	2 500
Ecuador	—	—	—	—	2 415	2 415	—	2 415	2 415
Honduras	2 250	—	2 250	—	—	—	2 250	—	2 250
St. Kitts	—	—	—	2 057	—	2 057	2 057	—	2 057
Grenada	—	—	—	1 976	—	1 976	1 976	—	1 976
Lebanon	—	—	—	—	1 867	1 867	—	1 867	1 867
El Salvador	1 650	—	1 650	—	—	—	1 650	—	1 650
Somalia	—	—	—	—	1 035	1 035	—	1 035	1 035
Mauritius	—	—	—	—	1 000	1 000	—	1 000	1 000
Costa Rica	—	—	—	—	910	910	—	910	910
Paraguay	—	—	—	—	780	780	—	780	780
Burundi	—	—	—	—	690	690	—	690	690
Guatemala	—	—	—	—	676	676	—	676	676
Liberia	—	—	—	—	414	414	—	414	414
Gambia	—	—	—	—	171	171	—	171	171
Sao Tomi	—	—	—	—	97	97	—	97	97
Nicaragua	—	—	—	—	69	69	—	69	69
<b>Sub-Total</b>	<b>371 519</b>	<b>35 127</b>	<b>406 646</b>	<b>288 116</b>	<b>169 898</b>	<b>458 014</b>	<b>659 635</b>	<b>205 025</b>	<b>864 660</b>

CFBA: Angola 100 tonnes; Bangladesh 5 675 tonnes; Ethiopia 22 843 tonnes; Zimbabwe 13 500 tonnes 42 128

**GRAND TOTAL** **906 788**

\* Includes Eastern Flour

Source: CWB Sales Programming as of January 18, 1990





## PART III

# THE SUPPLY AND TRANSPORTATION OF GRAIN

### INTRODUCTION

Total grain supplies in 1988 were down from the near-record grain production of the 1987-88 crop year. Production of the six major grains in Western Canada totaled an estimated 31 million tonnes in 1988. Hot weather at key periods of crop development, and dry conditions that

persisted for much of the growing season, significantly reduced the 1988 grain crop. Exports of Canadian grain closed the crop year at 18.2 million tonnes, which was considerably less than the previous year's record exports of 30.7 million tonnes.

**TABLE 16**  
**1988<sup>1</sup> WESTERN CANADIAN YIELDS AND PRODUCTION**

	ALBERTA				SASKATCHEWAN			
	YIELD		PRODUCTION		YIELD		PRODUCTION	
	1988	10-year Average 1978-87	1988	10-year Average 1978-87	1988	10-year Average 1978-87	1988	10-year Average 1978-87
	(Bus. per Acre)		(Million Tonnes)		(Bus. per Acre)		(Million Tonnes)	
Wheat	27.7	30.3	5.3	5.5	13.1	26.2	6.9	13.8
Barley	56.8	48.3	5.8	5.7	31.5	43.0	2.1	3.1
Oats	73.8	60.4	1.6	1.2	38.8	49.3	.5	.7
Rye	17.5	31.2	.1	.2	12.1	24.4	.1	.3
Flaxseed	22.5	19.0	—	.1	12.0	17.1	.1	.2
Canola	24.0	21.6	1.9	1.3	19.5	22.8	1.7	1.2
TOTAL PRODUCTION	—	—	14.7	14.0	—	—	11.4	19.3

	MANITOBA				WESTERN CANADIAN PROVINCES <sup>2</sup>			
	YIELD		PRODUCTION		YIELD		PRODUCTION	
	1988	10-year Average 1978-87	1988	10-year Average 1978-87	1988	10-year Average 1978-87	1988	10-year Average 1978-87
	(Bus. per Acre)		(Million Tonnes)		(Bus. per Acre)		(Million Tonnes)	
Wheat	18.3	30.3	2.4	3.5	17.3	26.6	14.7	22.9
Barley	35.7	48.6	1.1	1.9	45.2	46.0	9.1	10.9
Oats	36.3	54.1	.2	.5	57.9	55.0	2.4	2.4
Rye	19.2	30.7	.1	.1	15.4	27.0	.2	.6
Flaxseed	11.1	16.9	.2	.4	11.9	16.4	.4	.7
Canola	17.4	22.1	.6	.5	20.9	21.5	4.3	3.0
TOTAL PRODUCTION	—	—	4.6	6.9	—	—	31.1	40.5

<sup>1</sup> Preliminary: Subject to Revision

<sup>2</sup> Includes British Columbia

Source: Statistics Canada



## CROP DEVELOPMENT, QUALITY, AND SIZE

The 1988 growing season began under very dry conditions which had persisted since the previous fall. Precipitation in most regions of the grain-growing area fell below 75 per cent of normal for the period from September 1987 to July 31, 1988 (see Map 1).

Dry soils, combined with the heat wave in June, stunted the growth of many crops, especially those sown early. Later sown crops generally fared better. June 1988 was the hottest June this century (see Map 2).

The drought hurried crop development. Harvesting in Saskatchewan and Manitoba was already well advanced when rains at the end of August slowed progress. Overall, wheat quality was exceptional in Manitoba, somewhat above average in Saskatchewan, and a little below average in Alberta.

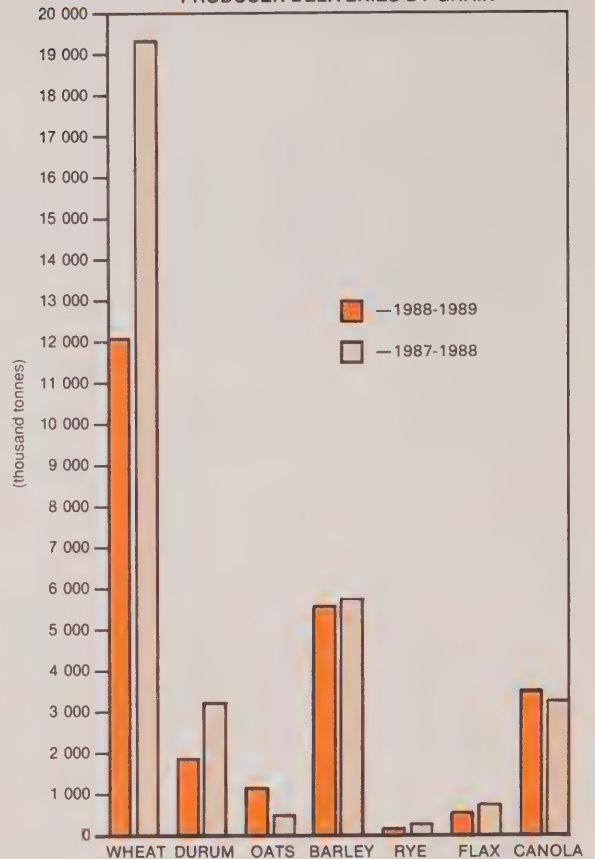
## PRODUCER DELIVERIES

In 1988-89 producers delivered 24.5 million tonnes of the six major grains. This was down from 33.3 million tonnes the previous year. By looking at Graph One, which lists the producer deliveries by grain, you will see that wheat deliveries were the hardest hit. Deliveries of oats and canola increased.

With the drought-reduced grain deliveries, Western Canada's marketing system encountered few problems in the handling and movement of grain. Good delivery opportunities for different types of wheat were available early in the crop year. In addition to regular oats and barley quotas, the Board again offered guaranteed delivery contracts for specific grades of oats and barley. Because reduced grain supplies were not expected to exert pressure on handling and transportation facilities, producers were not required as in previous contracts to assign quota acres. The Board accepted all tonnages offered by producers against contracts.

As the crop year drew to a close, there was a surge in barley deliveries, and although this resulted in congestion

GRAPH 1  
PRODUCER DELIVERIES BY GRAIN



at some country elevators, the Wheat Board was able to handle the deliveries and put in place the necessary sales and movement.

## CARRYOVER

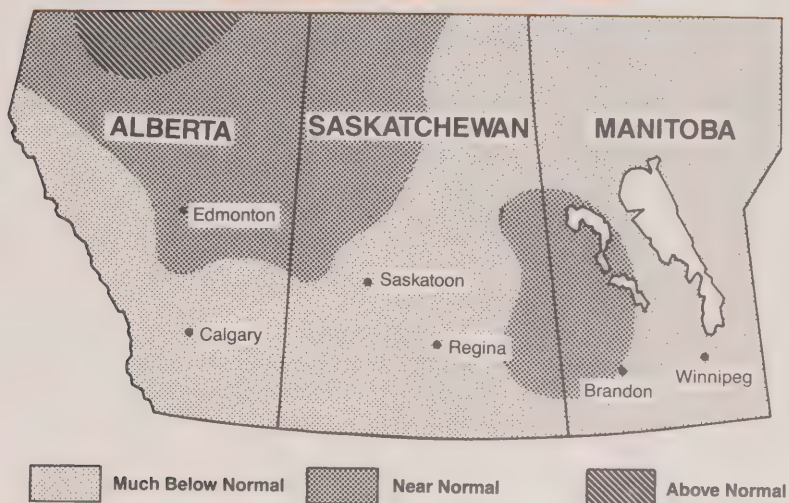
Total carryover stocks were influenced by this summer's drought and were reduced to 9.8 million tonnes, one of the lowest levels in recent history. Of the total carryover, only 2.7 million tonnes was estimated as on-farm stocks, as shown in Table 18.

Table 19 lists commercial stocks over the last five years.



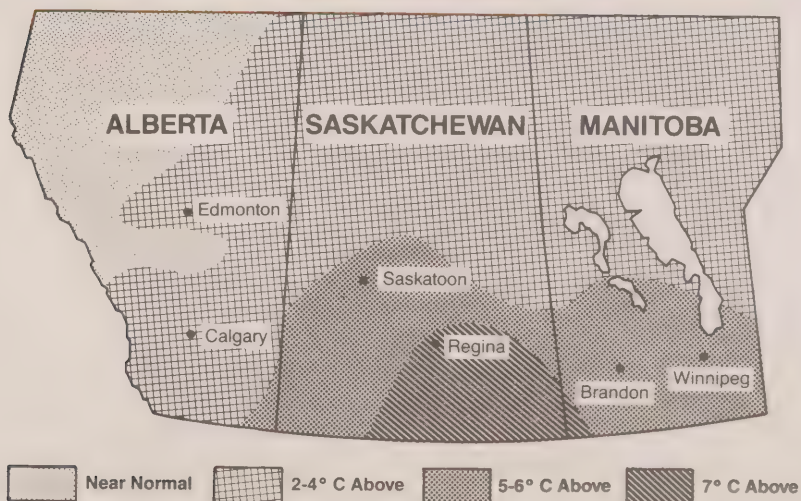
MAP 1

**PRECIPITATION DEPARTURE FROM NORMAL —  
SEPTEMBER 1987 TO JULY 1988**



MAP 2

**MONTHLY DEVIATION FROM NORMAL TEMPERATURE  
(Deg. C June 1988)**





**TABLE 17**  
**SUMMARY OF CROP YEAR QUOTAS AS AT JULY 31, 1989**

	Quota Name	Kilograms Quota Acre	Bushels/ Quota Acre	Grades	Area
Canada Western					
Red Spring Wheat	A to J	1 615	59.5	All	All
Durum Wheat	A to K	1 995	73.7	All	All
Canada Prairie Spring Wheat	A to F	2 035	75.0	All	All
Utility Types of Wheat	A to F	2 035	75.0	All	All
Red Winter Wheat	A to E	1 630	60.0	All	All
Soft White Spring Wheat	A to E	2 180	80.2	All	All
Oats	A	160	10.1	All	All
Barley	A to B	220	10.2	All	All
Contract Oats	Series A to B	100% of contract		Straight 3 CW & higher	All
Contract Barley	Series A to C	100% of contract		Straight 1 & 2 CW	All
Contract Soft White Spring Wheat		2 000	73.5	Straight 1 & 2 CW	All
Contract Utility Types of Wheat		1 500	55.1	Straight 1 & 2 CW	All
Rye		1 525	60.0		
Rye to Distillers		1 525	60.0		
Flaxseed		1 525	60.0		
Flaxseed to Crushers		1 525	60.0		
Canola		1 400	61.7		
Canola to Crushers		1 400	61.7		
Off-Board Wheat		1 635	60.0		
Off-Board Oats		930	60.3		
Off-Board Barley		1 305	59.9		
Selected Soft White Spring Wheat		1 carlot per 60 acres or 1360 kg per acre per truck			
Designated Oats		5 carlots per 40 acres			
Designated Barley		6 carlots (60 acres of assigned per carlot)			
		Maximum 3 carlots Selected 2 Row Barley			
		Maximum 3 carlots Selected 6 Row Barley			

## COUNTRY ELEVATOR SHIPMENTS

Country elevator shipments of the seven major grains in 1988-89 totaled 23.4 million tonnes, compared to 33.4 million tonnes the previous year. Country elevator shipments by province and by grain are shown in Table 20.

Shipments from elevators in Manitoba and Saskatchewan were down, while Alberta shipments were similar to the year before.

## WEST COAST

West Coast ports exported 11.9 million tonnes during the 1988-89 crop year. Due to the effects of the drought, exports were down over five million tonnes from the previous record set in 1987-88. Of the total, Vancouver accounted for 9.2 million tonnes while Prince Rupert accounted for the remaining 2.7 million tonnes.

The UGG terminal closed for extensive renovations in late February 1989 for about a year. During that time,





**TABLE 18**  
**STOCKS ON FARMS IN WESTERN CANADA AS AT JULY 31**  
**FOR YEARS 1984 TO 1989**

Grain	1989 <sup>1</sup>	1988	1987	1986	1985	1984
			(Thousands of Tonnes)			
Wheat*	775	2 520	4 990	745	1 060	1 690
Oats	390	660	800	455	345	465
Barley	1 000	2 370	1 330	815	700	930
Rye	70	170	235	160	150	105
Flaxseed	35	115	140	65	25	25
Canola	435	160	170	275	95	15
<b>TOTAL</b>	<b>2 705</b>	<b>5 995</b>	<b>7 665</b>	<b>2 515</b>	<b>2 375</b>	<b>3 230</b>

\* Includes Durum Wheat

<sup>1</sup> Subject to Revision

Source: Statistics Canada

**TABLE 19**  
**STOCKS IN CANADIAN COMMERCIAL POSITIONS BY GRAIN AS AT JULY 31**  
**FOR YEARS 1984 TO 1989**

Grain	1989 <sup>1</sup>	1988	1987	1986	1985	1984
			(Thousands of Tonnes)			
Wheat*	4 144	4 770	7 724	7 799	6 518	7 455
Oats	271	207	144	171	124	125
Barley	1 725	1 200	1 602	2 209	1 291	891
Rye	141	159	165	142	233	326
Flaxseed	132	287	302	208	119	130
Canola	694	491	449	675	375	105
<b>TOTAL</b>	<b>7 107</b>	<b>7 114</b>	<b>10 386</b>	<b>11 204</b>	<b>8 660</b>	<b>9 032</b>

\* Includes Durum Wheat

<sup>1</sup> Subject to Revision

Source: Canadian Grain Commission for 1989

All previous years – Statistics Canada

**TABLE 20**  
**COUNTRY ELEVATOR SHIPMENTS**

Grain	1988-89				1987-88			
	Manitoba	Saskatchewan	Alberta <sup>1</sup>	TOTAL	Manitoba	Saskatchewan	Alberta <sup>1</sup>	TOTAL
	(Thousands of Tonnes)				(Thousands of Tonnes)			
Wheat	2 251	5 694	4 259	12 204	3 506	12 213	4 859	20 578
Durum	119	1 349	382	1 850	239	2 784	570	3 593
Oats	82	189	772	1 044	87	134	302	523
Barley	551	1 441	3 229	5 221	749	2 005	2 921	5 675
Rye	50	78	53	181	32	155	53	240
Flaxseed	161	149	30	341	310	224	21	555
Canola	448	1 099	977	2 524	431	1 023	818	2 272
TOTAL	3 662	9 999	9 702	23 365	5 354	18 538	9 544	33 436

<sup>1</sup> Includes British Columbia

Source: Canadian Grain Commission





Board grains had to be apportioned among the remaining terminals but this did not have any major impact on the Board's overall export program.

## THUNDER BAY AND ST. LAWRENCE

Exports through Thunder Bay terminals and St. Lawrence transfer houses totaled 5.3 million tonnes in 1988-89. This was a drop by more than half from the year before, and reflected drought-reduced Prairie grain supplies.

Operations ran smoothly during the year and there were very few incidents of vessels waiting to load due to the steady flow of grain deliveries by farmers.

The Lake Ontario-Montreal section of the Seaway closed January 4, 1989. The Welland Canal closed December 28, 1988.

The 1989 shipping season got off to a slow pace, again reflecting the limited available supplies. The two first vessels of the season left Thunder Bay on March 31, 1989. All sections of the Seaway and Great Lakes were opened at relatively the same time.

## ATLANTIC

Exports through the Atlantic ports of Halifax and West Saint John totaled 401 600 tonnes in 1988-89, approximately 180 000 tonnes less than the previous year. The significant drop in exports for this crop year was mainly

due to the drought. The grains moved through the two ports included wheat and durum.

As part of the 1989 federal budget cuts, the government announced that the "At and East" rail freight subsidy would be discontinued as of July 15, 1989. The Wheat Board had been using the "At and East" rates for moving export grain during the winter months from Georgian Bay to Atlantic ports to sustain shipment to customers on a year-round basis. The low "At and East" rail freight rates offset the higher costs of rail movement after the close of navigation. This subsidy was created in 1960 to offset some of the advantages that U.S. eastern ports had over Canadian eastern ports. The government said these advantages no longer exist.

## CHURCHILL

Churchill exports for the 1988 season totaled 50 100 tonnes, down from 569 000 tonnes the previous year. All of the grain moved through the port during the season was wheat. The reduced movement was again due to limited supplies.

The first vessel of the season began loading at Churchill on October 5, 1988, and the last vessel of the season cleared the port on October 19, 1988.

## FREIGHT AND HANDLING RATES

The total cost of moving grain east of Thunder Bay is shown in Table 21. The reason for the decrease in water

TABLE 21  
TOTAL EASTERN TRANSPORTATION AND HANDLING COSTS FOR WHEAT

	1989	1988	1987	1986	1985	Percentage Increase/ Decrease from 1985
	(Dollars per Tonne)					
Thunder Bay to St. Lawrence <sup>1</sup> (all water)	\$20.908	\$22.364	\$21.565	\$25.586	\$24.489	-14.6%
Thunder Bay to St. Lawrence (winter rail)	n/a	31.345	32.940	34.229	34.185	n/a
Thunder Bay to Atlantic <sup>2</sup>	23.071	24.461	23.615	27.571	27.548	-16.3%

<sup>1</sup> Includes lake freight rate as at opening of navigation.

<sup>2</sup> Includes lake freight costs to Georgian Bay at close of the previous navigation season and AT and East rail freight costs from Georgian Bay to the Atlantic.



**TABLE 22**  
**TOTAL EASTERN TRANSPORTATION AND HANDLING COSTS FOR WHEAT**  
**(Rates Basis Opening of Navigation)**

	1989	1988	1987	1986	1985	Percentage Increase/ Decrease from 1985
	(Dollars per Tonne)					
<b>Thunder Bay Costs</b>	<b>\$5.335</b>	<b>\$5.160</b>	<b>\$5.180</b>	<b>\$5.180</b>	<b>\$5.013</b>	<b>+6.4%</b>
Elevation <sup>1</sup>	4.480	4.310	4.310	4.310	4.180	+7.1%
Weighing, Inspection <sup>2</sup>	.740	.740	.740	.740	.740	0%
LSCA Charges <sup>3</sup>	.055	.050	.070	.043	.043	+27.9%
Warehouse Receipts Cancellation <sup>4</sup>	.060	.060	.060	.060	.050	+20.0%
<b>Lake Freight (including Bunker fuel)</b>						
Thunder Bay to Bay Ports	7.09	7.240	6.680	8.430	9.240	-23.3%
Thunder Bay to St. Lawrence	11.35	13.170	12.140	13.590	15.110	-24.9%
<b>Eastern Terminals <sup>5</sup></b>						
Bay Ports	3.430	3.430	3.430	3.430	3.430	0%
St. Lawrence	2.470	2.470	2.470	2.740	2.400	3%
Atlantic	2.470	2.470	2.470	2.470	2.400	3%

<sup>1</sup> Receiving, weighing and delivery of grain.

<sup>2</sup> Sampling and grading of grain by an inspector and issuing of inspection certificate.

<sup>3</sup> Fees of Lake Shippers Clearance Association.

<sup>4</sup> Cancellation by Canadian Grain Commission of registration of Terminal Warehouse Receipts.

<sup>5</sup> Transfer elevators in Eastern Canada, the principal use of which is the transfer of grain that has been officially inspected and officially weighed at another elevator, as well as the receiving and storing of eastern and foreign grain.

**TABLE 23**  
**WEIGHTED AVERAGE DEDUCTIONS FROM FARMERS**  
**FOR FREIGHT, COUNTRY ELEVATION, & REMOVAL OF DOCKAGE**

		1988-89	1987-88	1986-87	1985-86	1984-85
		(Dollars per Tonne)				
<b>Wheat</b>	Freight	\$6.80	\$5.94	\$5.62	\$5.53	\$7.20
	Country Elevation & Removal of Dockage	9.10	8.05	8.02	7.93	7.60
	<b>Total</b>	<b>15.90</b>	<b>13.99</b>	<b>13.64</b>	<b>13.46</b>	<b>14.80</b>
<b>Durum Wheat</b>	Freight	7.05	6.21	5.79	5.71	7.55
	Country Elevation & Removal of Dockage	8.93	7.97	8.00	7.88	7.56
	<b>Total</b>	<b>15.98</b>	<b>14.18</b>	<b>13.79</b>	<b>13.59</b>	<b>15.11</b>
<b>Oats</b>	Freight	6.96	5.86	5.57	5.43	7.22
	Country Elevation & Removal of Dockage	12.22	12.34	12.10	12.08	11.33
	<b>Total</b>	<b>19.18</b>	<b>18.20</b>	<b>17.67</b>	<b>17.51</b>	<b>18.55</b>
<b>Barley</b>	Freight	6.93	6.03	5.65	5.53	7.16
	Country Elevation & Removal of Dockage	10.86	9.72	9.74	9.68	9.31
	<b>Total</b>	<b>17.79</b>	<b>15.75</b>	<b>15.39</b>	<b>15.21</b>	<b>16.47</b>



transportation from Thunder Bay to St. Lawrence was due to a drop in lake freight rates.

Table 22 provides a breakdown of Thunder Bay fobbing costs, lake freight costs, and inward elevation at eastern transfer elevators. With the exception of lake freight costs, all costs were about the same as the previous year.

Weighted average rail freight rates and actual country elevation charges are shown in Table 23. Rail freight rates showed an increase from the year before. Under the Western Grain Transportation Act (Bill C-155), freight rates were destined to rise an average 39 per cent on August 1, 1987. However, the federal government assumed part of the increased cost. This increased the government's share of the 1987-88 freight rate to over 80 per cent. This was not repeated for the 1988-89 crop year, resulting in significant increases to the producer's share of freight rates.

The maximum terminal and country elevation tariffs as well as maximum removal of dockage fees remained the same as the previous year. Maximum terminal elevation tariffs were \$5.01 per tonne for wheat, \$8.22 per tonne for oats, and \$6.21 per tonne for barley. Maximum country elevation tariffs were \$8.53 per tonne for wheat, \$13.99 per tonne for oats, and \$10.58 per tonne for barley. For maximum removal of dockage fees, the rates were \$2.63 per tonne for wheat, \$4.31 per tonne for oats, and \$3.26 per tonne for barley.



## PART IV OTHER OPERATIONS

### PROMOTIONAL ACTIVITIES

#### Market Development

Four varietal evaluation programs were offered to producers prior to the start of the 1989 growing season. As shown in Table 24 below, these included HY 355 and Biggar (HY 368) wheat, and TR 479 and TR 490 barley. Varietal evaluation programs are conducted by the Wheat Board's Market Development Department to encourage the development of varieties with potential to expand market opportunities for western grain growers.

**TABLE 24**  
**WHEAT BOARD CONTRACT PROGRAMS IN 1989**

Variety	Average No. of Growers	Size of Contract (Acres)	Total Acres	Type
<b>WHEAT</b>				
HY355	402	50-100	31,505	CPS (White)
Biggar (HY368)	489	50	24,488	CPS (Red)
<b>BARLEY</b>				
TR 479	32	60	2,110	2-Row White
TR 490	22	60	1,360	2-Row White

**HY 355** – This is the first high-yielding, white wheat which appears to meet the quality requirements of the Canada Prairie Spring wheat class. It was developed at the Agriculture Canada Research Station in Swift Current. It is best adapted to the brown and dark brown soil zones and is in its second year of a two-year interim registration.

**Biggar (HY 368)** – This variety is the successor to HY 320. It has been supported for registration as the first variety to be included in the red Canada Prairie Spring wheat class. Like its predecessor, HY 368 is a high-yielding variety that was developed at the Swift Current Research Station. With increased kernel hardness, the milling and baking quality of HY 368 is significantly superior to that of HY 320 and should, therefore, be more

acceptable in overseas markets. The variety has been supported for full registration by the Prairie Registration Recommending Committee for Grain.

**TR 479 and TR 490** – These are two-row, white aleurone malting barley varieties developed at the University of Saskatchewan. Both are high-yielding and have promising malting and brewing qualities. In the 1988-89 crop year, TR 479 and TR 490 barley will be contracted for the second part of a two-year plant-scale testing program. The results of these tests will determine whether these varieties will be registered by Agriculture Canada.

#### Canadian International Grains Institute

The Board continued to utilize the Institute as support for its market development efforts and in this regard the Board requested the Institute to offer the following programs:

##### **Fifth International Flour Technology –**

August 22 to September 8, 1988

##### **Iraq-Canada Silo Management and Quality**

**Control Symposium –** October 3 to 20, 1988

##### **Tenth Canadian Feed Technology –**

November 14 to 17, 1988

##### **Tenth Canadian Millers –**

November 29 to December 9, 1988

##### **Eleventh Canadian Grain Industry –**

December 12 to 16, 1988

##### **Twenty-First and Twenty-Second Grain Marketing –**

January 9 to 13 and January 16 to 20, 1989

##### **Grain Inspection Technology –**

January 30 to February 3, 1989

##### **Sixteenth Farm Leaders –**

February 27 to March 10, 1989

##### **Canadian Grain Industry (French) –**

April 3 to 8, 1989

##### **Sixth International Feed and Oilseed –**

May 1 to 18, 1989

##### **Twenty-Fourth International Grain Industry –**

May 30 to June 22, 1989

##### **U.S.S.R.-Canada Grain Industry –** July 9 to 16, 1989

##### **Third International Malting and Brewing –**

July 24 to August 10, 1989





The Board, on behalf of farmers, also continued to jointly fund the Institute's operations with the federal government. Further details of the activities of the Institute are available in its annual report.

The Board commends the Canadian International Grains Institute for many of its programs and for the response given to our market development efforts.

### **Sales Missions**

During the crop year under review, Commissioners and other Board officials traveled to numerous countries on sales and market development missions. These countries are listed by geographic area as follows:

**Africa and the Middle East** – Algeria, Bahrain, Egypt, Kuwait, Oman, Qatar, Saudi Arabia, Turkey, United Arab Emirates

**Asia** – Japan, Malaysia, People's Republic of China, Singapore, South Korea, Taiwan, Thailand

**North America** – United States

**Latin America and the Caribbean** – Brazil, Mexico

**Western Europe** – Belgium, Switzerland, United Kingdom

**Eastern Europe** – German Democratic Republic, Poland, U.S.S.R.

### **Incoming Missions**

Two missions from Japan and one from the People's Republic of China visited Canada during the 1988-89 crop year as guests of the Board. These missions included milling industry and senior grain trade representatives, and government officials. The groups were able to observe the operations of the Canadian grain industry by visiting major areas such as quality control and grain processing facilities.

Individuals and groups from 13 other countries also visited the Board offices during the period under review. In addition to having meetings and discussions, the Board assisted the visitors in arranging itineraries and programs.

The Board gratefully acknowledges the invaluable support it receives from many levels of governments, universities, grain trade organizations and individuals in arranging these visits.

### **Awards Programme**

This year marks the thirteenth year of the scholarship programme. Its purpose is to encourage young scientists to enter the field of grain and related agricultural research. This programme offers financial assistance to students in Colleges of Agriculture at the Universities of Alberta, Saskatchewan and Manitoba and is funded by the Wheat Board's Special Account. A total of \$223,058.31 was awarded through this programme in the 1989 calendar year.

Seventeen students were awarded fellowships to continue post-graduate studies. At the graduate level, six new fellowships were awarded for a three-year duration. The awards are made on the basis of academic standing, and are keenly contested. Each fellowship winner receives \$13,000 in the first year, \$14,000 in the second year, and \$15,000 in the third year.

Another 25 were presented to students at the third- and fourth-year under-graduate level. Each third-year recipient receives \$1,350 and the fourth-year recipient receives \$1,650. This year, three under-graduate students were hired by the Board for summer employment.

### **Touring the Wheat Board**

There were 98 groups totaling about 1,464 people who toured the Wheat Board's Winnipeg office during the 1988-89 crop year. There were 17 farm groups, 51 international groups, 18 educational groups and 12 others. They toured the major departments of the Board and operations in each area were discussed.

### **LEGAL SERVICES**

The Board's Legal Department continued to provide legal assistance to the Board by drafting Regulations, handling estate files and demurrage claims and providing legal opinions and assistance on a broad range of matters relating to the Board's operations.





It also assisted with the collection of defaulted cash advance accounts under the federal government's Prairie Grain Advance Payments Act. There were 1,388 accounts referred to the Legal Department during the year for collection and 175 actions were taken in the Federal Court of Canada. This compares with 849 defaulted accounts referred to the Legal Department for collection in the previous crop year in which 48 actions were taken.

Eighty-three bankruptcy files were opened and attended to by the Legal Department, compared to 82 in the previous crop year, where producers entering bankruptcy had previously obtained advance payments which remained outstanding under the Prairie Grain Advance Payments Act.

A total of 67 convictions were obtained during the 1988-89 crop year for breaches of the Canadian Wheat Board Act and Regulations and the Prairie Grain Advance Payments Act and Regulations. The convictions involved a total of 11 producers, two elevator managers and one elevator company.

## OFFICERS AND STAFF

Mr. Richard Klassen was appointed Commissioner to the Canadian Wheat Board on September 14, 1988. Prior to this appointment, Mr. Klassen held several positions in the agriculture industry, the most recent of which being Commissioner of the Canadian Grain Commission. The Board welcomes Mr. Klassen to his new post and looks forward to working with him.

A number of other changes involving senior staff took place during the 1988-89 crop year. Mr. Bill Spafford and Mr. Adrian Measner were named General Director and Assistant General Director, respectively, for Sales and Market Development. Mrs. Pat Wallace was appointed General Director, Country Services Division and Mr. Frank Reid was appointed Manager of the Montreal office. Mr. Gordon Menzie was appointed Manager, Money Markets. Mr. Mike Martin, Special Assistant, Transportation and Ms. Lynn Kohm, Assistant Solicitor left the employ of the Board.

Fourteen staff members retired from the Wheat Board in 1988-89: Mrs. Mary Boyd, Mr. Gil Champagne, Mrs. Katherine Dubyk, Miss Dorothy Duncan, Ms. Neta

Friesen, Mr. Ed Isaac, Mr. Albert Jaworski, Mr. Bill McInnes, Miss Madeline Pruden, Mr. Robert Thomson, Mr. Fred VanAlstyne, Mrs. Victoria VanAlstyne, Miss Adeline Wicklow, and Mrs. June Wilson.

To those employees who retired or resigned during the crop year, the Board extends its gratitude for their years of loyal and valuable service and wishes them well in their future endeavours.

It is with sadness that we record the deaths in 1988-89 of the following pensioners: Mr. Lorne Allan, Mr. George Campbell, Mr. Frank Dempster, Mr. Carl Gusberti, Mrs. Betty Hough, Mrs. Florence McGrew, Mrs. Edna Tucker, Miss Phoebe Williamson, and Mr. John Wilson. They are greatly missed by all.

As shown in Table 25 below, the number of employees has decreased annually while the quality of work and the efficient operation of the Board has remained at high standards.

**TABLE 25**  
**NUMBER OF EMPLOYEES AT JULY 31st**

Year	Permanent	Temporary	Total
1985	510	82	592
1986	482	37	519
1987	462	42	504
1988	448	37	485
1989	434	35	469

## BOARD OFFICES

The Canadian Wheat Board continued to operate branch offices in Montreal with a staff of seven employees, in Vancouver with a staff of 10 and in Tokyo, Japan with a staff of three.



## PART V ADVISORY COMMITTEE

The 1988-89 crop year continued with the Advisory Committee which took office in January 1987 for a four-year term. It consisted of the following members:

District	Name	Address
1	Wilfred A. Harder .....	Lowe Farm, Manitoba
2	Larry N. Maguire .....	Elgin, Manitoba
3	Terry L. Hanson .....	Fillmore, Saskatchewan
4	Micheal G. W. Halyk .....	Melville, Saskatchewan
5	J. Harvey Gjesdal .....	Birch Hills, Saskatchewan
6	Roy R. Atkinson .....	Landis, Saskatchewan
7	Avery K. Sahl .....	Regina, Saskatchewan
8	Gary Pike .....	Lloydminster, Saskatchewan
9	Dan Cutforth .....	Barons, Alberta
10	Ken D. Galloway ....	Fort Saskatchewan, Alberta
11	Arthur W. Macklin .....	Grande Prairie, Alberta

Mr. A. K. Sahl and Mr. M. G. W. Halyk continued in their roles as Chairman and Vice-Chairman, respectively, and were re-elected for another one-year term at the April 20, 1989, meeting.

Nine meetings of the Advisory Committee were held during 1988-89 to review operational matters with the Board and discuss policy issues related to the producers of Western Canada. Some of the Committee's main areas of interest and concern were the Canada/U.S. Free Trade Agreement, the removal of oats from the jurisdiction of the Canadian Wheat Board, the Prairie Grain Advance Payments Act, the continuing efforts of the Quota Review Committee and the role of the Advisory Committee. Two meetings were held outside of Winnipeg. The September 28th, 1988, meeting was held in Calgary in conjunction with a visit to CP Rail's Rogers Pass Project. At the invitation of the Mayor of Saskatoon, Mr. Henry Dayday, and the President of the University of Saskatchewan, Dr. Leo Kristjanson, the Committee held a meeting on February 7, 1989, in Saskatoon. Mr. Sahl and Mr. Halyk were invited to appear before the House of

Commons Agriculture Committee on June 27, 1989, to discuss items of mutual concern.

The Committee received various guests at its meetings during the year. Mr. Bill Kirby and Mrs. Marilyn Huband, representatives of the Forks Sculpture Competition Steering Committee, attended on August 30, 1988, to discuss the sculpture which is to represent the development of agriculture in Western Canada at the Forks National Historic Park. Ten delegates from the Ontario Wheat Producers Marketing Board were present on October 27, 1988, to discuss their concerns relating to the free trade agreement and to domestic wheat pricing. On January 3, 1989, Mr. G. Leith, Chief Commissioner, and Mr. H. Fast, Director of Grain Inspection Division from the Canadian Grain Commission, attended the meeting to discuss the Advisory Committee's concerns related to the selection of malting barley. Dr. H. Bjarnason, Associate Deputy Minister, Grains and Oilseeds Branch, Agriculture Canada, was invited to the meeting on April 20, 1989, to give a presentation on the background and responsibilities of the new National Grains Bureau.

For the thirteenth consecutive year, meetings were held by the Wheat Board in the various Committee districts. Two half-day meetings were held in each District, with the exception of District 11 which had four meetings because of its larger area. Attendance at the meetings increased slightly over last year due to the interest in issues such as the quota review proposal and the marketing of oats.

The District Meetings were held in the following locations:



District	Location	1989 Date
1	Oak Bluff, Manitoba .....	February 13
	Holland, Manitoba .....	February 17
2	Melita, Manitoba .....	February 16
	Swan River, Manitoba .....	March 1
3	Weyburn, Saskatchewan .....	February 14
	Wapella, Saskatchewan .....	March 2
4	Wadena, Saskatchewan .....	February 28
	Melville, Saskatchewan .....	March 2
5	Porcupine Plain, Saskatchewan .....	February 28
	Wakaw, Saskatchewan .....	March 7
6	Kerrobert, Saskatchewan .....	March 9
	Perdue, Saskatchewan .....	March 9
7	Gull Lake, Saskatchewan .....	February 13
	Herbert, Saskatchewan .....	February 13
8	Viking, Alberta .....	February 20
	Meadow Lake, Saskatchewan .....	March 8
9	Cardston, Alberta .....	March 9
	Foremost, Alberta .....	March 10
10	Stettler, Alberta .....	February 23
	Westaskiwin, Alberta .....	February 24
11	Westlock, Alberta .....	February 21
	La Crete, Alberta .....	March 7
	Spirit River, Alberta .....	March 8
	Valleyview, Alberta .....	March 8

The Board would like to express its appreciation to the Committee for having, as always, provided dedicated assistance and guidance during the 1988-89 crop year.





## PART VI FINANCIAL RESULTS AND NOTES TO FINANCIAL STATEMENTS

The Financial Statements of the Canadian Wheat Board including notes thereto for the crop year under review are presented in this section of the report. These statements consist of the Balance Sheet (Exhibit I), which sets forth the financial position of the Board as at July 31, 1989, together with other statements (Exhibits II to X) showing the results of Board operations for the year, all as tabulated in the index preceding the financial statements.

The practice of the Board is to include in its accounts at July 31, the final operating results of pool accounts where marketing operations have been completed before the

issuance of the annual report. Operations on the 1988-89 pool accounts for wheat, amber durum wheat, barley and designated barley were completed on September 30, 1989, on December 31, 1989, for designated oats, and on March 9, 1990, for the regular oats pool. Details for the final operating results of these pool accounts with commentary thereon are presented in this section of the report.

Although the basic measurement for grain has been the "tonne" since February 1, 1978, for your information a tonne equals 36.74371 bushels of wheat, 64.84183 bushels of oats or 45.92963 bushels of barley.

TABLE A

### STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION TO PRODUCERS ON THE 1988-89 POOL ACCOUNT – WHEAT For the period August 1, 1988, to September 30, 1989 with prior year figures for the 1987-88 Pool Account for comparison

	1988-89 Pool Account		1987-88 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
	14 218 367 tonnes		15 476 040 tonnes	
Receipts from Producers				
Sales Value	\$2,904,265,681	\$204.262	\$2,059,496,820	\$133.076
Initial Payments to Producers	2,377,546,508	167.217	1,744,509,029	112.723
Gross Surplus	526,719,173	37.045	314,987,791	20.353
Deduct Operating Costs:				
Carrying Charges:				
Country Elevators	43,576,178	3.065	37,105,198	2.398
Terminal Storage	14,168,229	.996	16,037,805	1.036
Total Carrying Charges	57,744,407	4.061	53,143,003	3.434
Bank Interest and Net Interest on other				
Board Accounts	(33,651,756)	(2.367)	(17,785,610)	(1.149)
Demurrage/Despatch	(3,302,045)	(.232)	(265,409)	(.017)
Additional Freight – to terminals	9,266,321	.652	10,542,410	.681
– freight rate change	1,675,231	.118	(1,513,861)	(.098)
Handling and Stop-off	(19,809)	(.001)	1,080,148	.070
Drying	32,299	.002	52,664	.003
Interest and Depreciation on Wheat Board				
Hopper Cars	7,627,680	.536	4,737,960	.306
Wheat Board Administrative Expenses	17,943,259	1.262	20,007,806	1.293
Total Operating Costs	57,315,587	4.031	69,999,111	4.523
Surplus on Operations	469,403,586	33.014	244,988,680	15.830
Deduct: Interim Payment	213,275,507	15.000	–	–
	256,128,079	18.014	244,988,680	15.830
Add: Interest earned after September 30	11,714,518	.824	6,814,351	.440
Deduct: Cost of issuing Interim and Final Payments	332,121	.024	136,272	.008
Deduct: Rebate on Producer Cars	119,016	.008	–	–
Balance for Distribution to Producers	\$ 267,391,460	\$ 18.806	\$ 251,666,759	\$ 16.262



## POOL ACCOUNT – WHEAT

### Initial Payments

At the beginning of the crop year the Board was authorized to purchase wheat from producers at a fixed initial price of \$150.00 per tonne for No. 1 Canada Western Red Spring. Effective November 17, 1988, the initial price for No. 1 Canada Western Red Spring was increased to \$170.00 per tonne.

### Supplies of Wheat

Supplies of wheat in the 1988-89 Pool were 14 353 863 tonnes, comprised of 14 218 367 tonnes delivered by producers and 135 496 tonnes acquired from other than producers.

### Grade Pattern

Deliveries of grain to the 1988-89 Pool Account were of substantially better quality compared with receipts in the previous pool. Deliveries of Nos. 1 and 2 Canada Western Red Spring totaled 12.286 million tonnes or 86.41 per cent of total receipts, while No. 3 Canada

Western Red Spring receipts of 1.375 million tonnes amounted to only 9.67 per cent of total receipts. Deliveries of utility grades including Canada Western Feed amounted to .557 million tonnes or 3.92 per cent of total producer deliveries. Deliveries of tough and damp grades were similar to the previous year with approximately .74 per cent of producer deliveries grading tough and .03 per cent grading damp.

### Final Statement of Operations and Surplus for Distribution to Producers – Wheat – Table A

Marketing operations on the Pool Account for wheat resulted in an operating surplus of \$469,403,586. After deducting the interim payment of \$213,275,507 made to producers in November 1989, providing for producer car rebates of \$119,016, allowing for the cost of issuing the interim and the final payments and adding estimated interest earnings subsequent to September 30, 1989, the net surplus for distribution to producers amounted to \$267,391,460. This net surplus represents an average of \$18.806 on producer deliveries of 14 218 367 tonnes. Table B shows the total price realized by producers for No. 1 Canada Western Red Spring at \$197.136 compared to \$134.019 for the previous pool.

TABLE B

### PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF WHEAT BASIS IN STORE THUNDER BAY OR VANCOUVER

Grade	Initial Payments	Interim Payment	Final Payments	Total
		(Dollars per Tonne)		
<b>Red Spring Wheat Grades</b>				
No. 1 Canada Western Red Spring	\$170.00	\$15.00	\$12.136	\$197.136
No. 1 Canada Western Red Spring 13.5	172.21	15.00	22.496	209.706
No. 1 Canada Western Red Spring 14.5	175.21	15.00	25.459	215.669
No. 2 Canada Western Red Spring	164.21	15.00	11.976	191.186
No. 2 Canada Western Red Spring 13.5	165.21	15.00	16.466	196.676
No. 3 Canada Western Red Spring	150.21	15.00	16.896	182.106
No. 1 Canada Western Utility	154.21	15.00	19.666	188.876
No. 2 Canada Western Utility	137.21	15.00	17.666	169.876
Canada Western Feed	130.00	15.00	16.056	161.056
No. 1 Canada Western Red Winter	149.21	15.00	19.896	184.106
No. 2 Canada Western Red Winter	147.21	15.00	19.896	182.106
No. 1 Canada Western Soft White Spring	150.00	15.00	25.671	190.671
No. 2 Canada Western Soft White Spring	147.00	15.00	27.671	189.671





## OPERATING COSTS

Operating costs incurred applicable to the pool were \$57,315,587 or \$4.031 per tonne. Details of the principal costs and comment thereon follows:

### Carrying Charges – \$57,744,407

Total carrying charges incurred by the Board, including storage and interest charges on wheat in country elevators and storage on wheat in terminal elevators, amounted to \$57,744,407 or \$4.061 per tonne.

### Bank Interest and Net Interest on Other Board Accounts – (\$33,651,756)

This amount consists mainly of bank interest and interest paid to, or received from, other Board accounts. Interest earned exceeded interest paid by \$33,651,756 or \$2.367 per tonne.

### Additional Freight – to Terminals – \$9,266,321 – Freight Rate Change – \$1,675,231

During the crop year the Board paid \$9,266,321 of additional freight arising out of the movement of grain in adverse direction.

With the abolition of the Crows Nest Pass Freight rate on December 31, 1983, freight rates are reviewed annually under the Western Grain Transportation Act. On August 1, 1989, freight rates increased by a net amount of approximately \$.237 per tonne and the Board was required to pay the additional freight on the country stocks held by its agents on August 1, 1989, amounting to \$1,675,231 in the Wheat Account.

### Drying Charges – \$32,299

Drying charges for 1988-89 totaled \$32,299, a decrease from the previous year, reflecting the lower quantities of tough and damp grain delivered to the pool under review.

### Interest and Depreciation on Wheat Board Hopper Cars – \$7,627,680

Costs for the use of the Board's 2,000 hopper cars include depreciation and interest. Hopper car expenses attributable to the 1988-89 Wheat Account totaled \$7,627,680 compared to \$4,737,960 for the previous pool.

## Administrative and General Expenses – \$17,943,259

This item represents the portion of the cost of operating the Board, including salaries, fringe benefits to employees and the cost of operating the Board's head office premises as well as other branches in Canada and overseas that was charged to the Wheat Account. Since the Pool Accounts run for periods which overlap crop years, some part of the operating costs for two consecutive crop years are allocated to the Pool Accounts based on length of time the Pool Accounts were open and tonnage handled. Charges allocated to the 1988-89 Wheat Account were \$17,943,259 or \$1.262 per tonne on producer receipts of 14 218 367 tonnes compared with \$20,007,806 or \$1.293 per tonne on producer receipts of 15 476 040 tonnes for the previous pool.

Administrative and general expenses for the 1988 - 89 crop year from August 1, 1988, to July 31, 1989, totaled \$28,483,006 compared to \$28,213,583 for the 1987 - 88 crop year; an increase of \$269,423 or .96 per cent.

## POOL ACCOUNT – AMBER DURUM WHEAT

### Initial Payments

At the beginning of the crop year the Board was authorized to purchase amber durum wheat from producers at a fixed initial price of \$175.00 per tonne for No. 1 Canada Western Amber Durum Wheat. Effective March 13, 1989, the initial price for No. 1 Canada Western Amber Durum was increased to \$190.00 per tonne.

### Supplies of Amber Durum Wheat

Supplies of amber durum wheat in the 1988-89 Pool were 2 472 519 tonnes, comprised of 2 254 359 tonnes delivered by producers, 17 902 tonnes acquired from other than producers and 200 258 tonnes purchased from the previous pool.

### Grade Pattern

Receipts of Nos. 1, 2 and 3 Canada Western Amber Durum totaled 2.184 million tonnes or 96.87 per cent of total producer deliveries. Approximately .25 per cent of producer deliveries graded tough while .03 per cent graded damp.



TABLE C

**STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION  
TO PRODUCERS ON THE 1988-89 POOL ACCOUNT - AMBER DURUM WHEAT**  
For the period August 1, 1988, to September 30, 1989  
with prior year figures for the 1987-88 Pool Account for comparison

	1988-89 Pool Account		1987-88 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
	<u>2 254 359 tonnes</u>		<u>2 708 407 tonnes</u>	
Receipts from Producers				
Sales Value	\$468,270,301	\$207.718	\$439,928,513	\$162.431
Initial Payments to Producers	420,780,711	186.652	321,361,389	118.653
Gross Surplus	47,489,590	21.066	118,567,124	43.778
Deduct Operating Costs:				
Carrying Charges:				
Country Elevators	10,827,316	4.803	9,140,017	3.375
Terminal Storage	4,810,372	2.134	2,694,180	.995
Total Carrying Charges	15,637,688	6.937	11,834,197	4.370
Interest	1,018,487	.452	(1,452,155)	(.536)
Demurrage/Despatch	(499,446)	(.221)	(925,436)	(.342)
Additional Freight – to terminals	414,599	.184	493,233	.182
– freight rate change	444,893	.197	(116,671)	(.043)
Handling and Stop-off	950	–	2,262	.001
Drying	870	–	926	–
Interest and Depreciation on Wheat Board				
Hopper Cars	1,209,389	.537	829,173	.306
Wheat Board Administrative Expenses	2,844,951	1.262	3,501,495	1.293
Total Operating Costs	21,072,381	9.348	14,167,024	5.231
Surplus on Operations	26,417,209	11.718	104,400,100	38.547
Add: Interest earned after September 30	843,063	.374	2,903,885	1.072
Deduct: Cost of issuing Final Payment	34,023	.015	32,024	.012
Deduct: Rebate on Producer Cars	12,197	.005	–	–
Balance for Distribution to Producers	\$ 27,214,042	\$ 12.072	\$107,271,961	\$ 39.607

TABLE D

**PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF AMBER DURUM WHEAT  
BASIS IN STORE THUNDER BAY OR VANCOUVER**

Grade	Initial Payments	Final Payments (Dollars per Tonne)	Total
Amber Durum Wheat Grades			
No. 1 Canada Western Amber Durum	\$190.00	\$14.482	\$204.482
No. 2 Canada Western Amber Durum	187.00	12.061	199.061
No. 3 Canada Western Amber Durum	185.00	7.529	192.529
No. 4 Canada Western Amber Durum	160.00	15.393	175.393
No. 5 Canada Western Amber Durum	125.00	27.139	152.139



### **Final Statement of Operations and Surplus for Distribution to Producers – Amber Durum Wheat – Table C**

Table C shows the operating results of the Pool Account for the crop year. Marketing operations resulted in a surplus of \$26,417,209. Operating expenses totaled \$21,072,381 for the year or \$9.348 per tonne. The principal cost was carrying charges amounting to \$15,637,688 or \$6.937 per tonne. After allowing for producer car rebates, the cost of issuing the final payment and estimated interest earnings subsequent to September 30, 1989, the net surplus for distribution to producers was \$27,214,042. This amount represents an overall average of \$12.072 per tonne on producer deliveries of 2 254 359 tonnes. Table D shows the total payments received by producers for the principal grades of amber durum wheat delivered during the crop year. This table shows the total price realized by producers for No. 1 Canada Western Amber Durum Wheat of \$204.482 per tonne, compared to \$169.359 per tonne for the previous pool.

### **POOL ACCOUNT – OATS**

Commencing August 1, 1981, as authorized by Order-in-Council, oats selected and accepted from producers for use in processing and milling for human consumption, has been set up in a separate pool under the caption "Designated Oats". As a result, the transactions described here consist mainly of marketing results related to Nos. 3 and 4 Canada Western Oats.

#### **Initial Payments**

At the beginning of the crop year the Board was authorized to purchase oats from producers at fixed initial prices of \$160.00 and \$154.00 per tonne for Nos. 3 and 4 Canada Western Oats respectively.

#### **Supplies and Grade Pattern**

Supplies in the regular Feed Oats Pool were 811 695 tonnes, comprised of 777 978 tonnes delivered by producers, 1 142 tonnes acquired from other than producers and 32 575 tonnes purchased from the previous pool. Deliveries of Nos. 1 and 2 Canada Western Oats comprised 4.00 per cent of producer deliveries, while Nos. 3 and 4 Canada Western Oats constituted 95.09 per cent

of producer deliveries. Other Grades contributed .91 per cent of producer deliveries. Board receipts of tough and damp oats made up .45 per cent of deliveries.

### **Final Statement of Operations – Oats – Table E**

Table E shows the operating results of the Pool Account for the 1988-89 crop year. Marketing operations resulted in a deficit of \$32,361,239 which is recoverable from the Government of Canada with funds provided by Parliament. The total payments realized by producers is, therefore, equal to the initial payments as shown in Table F. Operating expenses totaled \$12,725,183 or \$16.357 per tonne. The principal cost was carrying charges amounting to \$6,474,229 or \$8.322 per tonne.

### **POOL ACCOUNT – DESIGNATED OATS**

Commencing August 1, 1981, as authorized by Order-in-Council, oats selected and accepted from producers for use in processing and milling for human consumption, has been set up in a separate account. This account has been labeled "Designated Oats" and the results of operations on this account with comment thereon are contained in this section of the report.

#### **Initial Payments**

At the beginning of the crop year the Board was authorized to purchase designated oats from producers at fixed initial prices of \$195.00, \$191.00 and \$189.00 per tonne for Nos. 1, 2 and 3 Canada Western Oats respectively.

#### **Supplies and Grade Pattern**

Supplies of oats in the Designated Pool were 222 987 tonnes representing deliveries to the Board by producers during the crop year of oats which were selected and accepted by purchasers for use in processing and milling for human consumption. Receipts of Nos. 1, 2 and 3 Canada Western Oats totaled 22 288, 31 303 and 169 032 tonnes or 10.00 per cent, 14.04 per cent and 75.80 per cent respectively of total deliveries. The remaining 364 tonnes were No. 4 Canada Western Oats.

### **Final Statement of Operations and Surplus for Distribution to Producers – Designated Oats – Table G**

Table G shows the operating results of this Pool Account for the crop year. Marketing operations resulted in





**TABLE E**

**STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION  
TO PRODUCERS ON THE 1988-89 POOL ACCOUNT – OATS**  
For the period August 1, 1988, to March 9, 1990  
with prior year figures for the 1987-88 Pool Account for comparison

	<u>1988-89 Pool Account</u>		<u>1987-88 Pool Account</u>	
	<u>Amount</u>	<u>Rate per Tonne</u>	<u>Amount</u>	<u>Rate per Tonne</u>
Receipts from Producers	<u>777 978 tonnes</u>		<u>256 132 tonnes</u>	
Sales Value	\$104,688,427	\$134.565	\$33,376,896	\$130.311
Initial Payments to Producers	<u>124,324,483</u>	<u>159.805</u>	<u>23,100,925</u>	<u>90.191</u>
Gross (Deficit) Surplus	<u>(19,636,056)</u>	<u>(25.240)</u>	<u>10,275,971</u>	<u>40.120</u>
Deduct Operating Costs:				
Carrying Charges:				
Country Elevators	4,408,605	5.667	539,261	2.105
Terminal Storage	<u>2,065,624</u>	<u>2.655</u>	<u>602,275</u>	<u>2.352</u>
Total Carrying Charges	6,474,229	8.322	1,141,536	4.457
Interest	3,372,879	4.335	(149,220)	(.583)
Demurrage/Despatch	(47,455)	(.061)	47,455	.185
Additional Freight – to terminals	1,396,375	1.795	272,321	1.063
– freight rate change	24,552	.032	(2,263)	(.009)
Handling and Stop-off	2,872	.004	1,023	.004
Drying	309	–	4,133	.016
Interest and Depreciation on Wheat Board				
Hopper Cars	417,360	.537	85,409	.334
Wheat Board Administrative Expenses	<u>1,084,062</u>	<u>1.393</u>	<u>331,134</u>	<u>1.293</u>
Total Operating Costs	<u>12,725,183</u>	<u>16.357</u>	<u>1,731,528</u>	<u>6.760</u>
(Deficit) Surplus on Operations	<u>\$( 32,361,239)</u>	<u>\$( 41.597)</u>	8,544,443	33.360
Add: Interest earned after September 30			237,663	.928
Deduct: Cost of issuing Final Payment			<u>8,403</u>	<u>.033</u>
Balance for Distribution to Producers			<u>\$ 8,773,703</u>	<u>\$ 34.255</u>

**TABLE F**

**PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF OATS  
BASIS IN STORE THUNDER BAY OR VANCOUVER**

<u>Grade</u>	<u>Initial Payments (Dollars per Tonne)</u>
<b>Oats Grades</b>	
No. 1 Canada Western	\$165.00
No. 2 Canada Western	163.00
No. 3 Canada Western	160.00
No. 4 Feed	154.00



a surplus of \$3,327,644. As to operating costs, it should be noted that the Designated Oats Pool, by its very nature does not incur the handling expenses normally related to feeding grades of oats. It is not stored by the Board, being selected by the purchaser and shipped at his request from farm to processing plant via the country elevator. As a result, the only expenses attributable to such oats were costs related to hopper cars owned by the Wheat Board

and administrative charges totaling \$418,618 or \$1.877 per tonne. These expenses were reduced by interest earnings of \$389,010 or \$1.744 per tonne on the accumulating surplus in the pool. After providing for the cost of issuing the final payment and adding estimated interest earnings subsequent to December 31, 1989, the net surplus for distribution to producers was \$3,375,757 or \$15.139 per tonne on producer deliveries of 222 987

TABLE G

**STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION  
TO PRODUCERS ON THE 1988-89 POOL ACCOUNT - DESIGNATED OATS**  
For the period August 1, 1988, to December 31, 1989  
with prior year figures for the 1987-88 Pool Account for comparison

	<u>1988-89 Pool Account</u>		<u>1987-88 Pool Account</u>	
	<u>Amount</u>	<u>Rate per Tonne</u>	<u>Amount</u>	<u>Rate per Tonne</u>
Receipts from Producers	<u>222 987 tonnes</u>		<u>76 321 tonnes</u>	
Sales Value	\$45,694,544	\$204.920	\$10,464,244	\$137.108
Initial Payments to Producers	<del>42,387,292</del>	<del>189.664</del>	9,261,146	121.344
Gross Surplus	<u>3,357,252</u>	<u>15.056</u>	<u>1,203,098</u>	<u>15.764</u>
Deduct Operating Costs:				
Interest and Bank Charges	(389,010)	(1.744)	(86,990)	(1.140)
Interest and Depreciation on Wheat Board Hopper Cars	119,625	.536	25,450	.334
Wheat Board Administrative Expenses	<del>290,983</del>	<del>1.341</del>	98,670	1.293
Total Operating Costs	<u>29,608</u>	<u>.133</u>	<u>37,130</u>	<u>.487</u>
Surplus on Operations	3,327,644	14.923	1,165,968	15.277
Add: Interest earned after December 31 (1987-88 September 30)	54,602	.245	32,431	.425
Deduct: Cost of issuing Final Payment	<del>0,489</del>	<del>.029</del>	1,135	.015
Balance for Distribution to Producers	<u>\$ 3,375,757</u>	<u>\$ 15.139</u>	<u>\$ 1,197,264</u>	<u>\$ 15.687</u>

TABLE H

**PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF DESIGNATED OATS  
BASIS IN STORE THUNDER BAY OR VANCOUVER**

<u>Grade</u>	<u>Initial Payments</u>	<u>Final Payments</u> (Dollars per Tonne)	<u>Total</u>
Oats Grades			
No. 1 Canada Western	\$195.00	\$18.900	\$213.900
No. 2 Canada Western	191.00	16.400	207.400
No. 3 Canada Western	189.00	14.400	203.400





tonnes. Table H shows the total payments received by producers for the principal grades of designated oats delivered during the crop year.

pool under the caption "Designated Barley". As a result, the transactions remaining in the Barley Pool Account described here consist mainly of marketing results related to feeding grades of barley.

## POOL ACCOUNT – BARLEY

Since August 1, 1975, as authorized by Order-in-Council, barley selected and accepted from producers for use in malting, pot or pearling, has been set up in a separate

### Initial Payments

At the beginning of the crop year the Board was authorized to purchase barley from producers at fixed initial

TABLE I

**STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION  
TO PRODUCERS ON THE 1988-89 POOL ACCOUNT – BARLEY**  
For the period August 1, 1988, to September 30, 1989  
with prior year figures for the 1987-88 Pool Account for comparison

	1988-89 Pool Account		1987-88 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
Receipts from Producers	4 035 425 tonnes		2 224 961 tonnes	
Sales Value	\$524,616,931	\$130.003	\$169,959,254	\$76.388
Initial Payments to Producers	483,922,812	119.919	144,395,122	64.898
Gross Surplus	40,694,119	10.084	25,564,132	11.490
Deduct Operating Costs:				
Carrying Charges:				
Country Elevators	10,930,743	2.709	639,467	.288
Terminal Storage	2,425,508	.601	1,279,713	.575
Total Carrying Charges	13,356,251	3.310	1,919,180	.863
Interest	288,533	.072	(2,940,186)	(1.322)
Demurrage/Despatch	(334,009)	(.083)	2,678,089	1.204
Additional Freight – to terminals	1,755,367	.435	864,102	.388
– freight rate change	1,581,659	.392	(359,295)	(.161)
Handling and Stop-off	–	–	7,554	.003
Drying	402	–	31,258	.014
Interest and Depreciation on Wheat Board				
Hopper Cars	2,164,871	.536	681,168	.306
Wheat Board Administrative Expenses	5,092,615	1.262	2,876,485	1.293
Total Operating Costs	23,905,689	5.924	5,758,355	2.588
Surplus on Operations	16,788,430	4.160	19,805,777	8.902
Add: Interest earned after September 30	535,769	.133	550,897	.248
Deduct: Cost of issuing Final Payment	62,033	.015	38,838	.018
Deduct: Rebate on Producer Cars	55,037	.014	–	–
Balance for Distribution to Producers	\$ 17,207,129	\$ 4.264	\$ 20,317,836	\$ 9.132



TABLE J

**PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF BARLEY  
BASIS IN STORE THUNDER BAY OR VANCOUVER**

<u>Grade</u>	<u>Initial Payments</u>	<u>Final Payments</u> (Dollars per Tonne)	<u>Total</u>
<b>Barley Grades</b>			
No. 1 Canada Western	\$120.00	\$4.225	\$124.225
No. 2 Canada Western	117.00	6.535	123.535
Mixed Grain Canada Western Barley	107.45	4.225	111.675

prices of \$120.00 and \$117.00 per tonne for Nos. 1 and 2 Canada Western Barley respectively.

**Supplies and Grade Pattern**

Supplies in the regular Feed Barley Pool were 4 104 490 tonnes comprised of 4 035 425 tonnes delivered by producers and 69 065 tonnes acquired from other than producers. Deliveries of Nos. 1 and 2 Canada Western Barley comprised 99.88 per cent of the producer deliveries in the pool. Board receipts of tough and damp barley made up .56 per cent of deliveries.

**Final Statement of Operations and Surplus for Distribution to Producers – Barley – Table I**

Table I shows the operating results of the Pool Account for the crop year. Marketing operations resulted in a surplus of \$16,788,430. Operating expenses totaled \$23,905,689 for the year or \$5.924 per tonne. The principal cost was carrying charges amounting to \$13,356,251 or \$3.310 per tonne. After allowing for the cost of issuing the final payment and estimated interest earnings subsequent to September 30, 1989, the net surplus for distribution to producers was \$17,207,129. This amount represents an overall average of \$4.264 per tonne on producer deliveries of 4 035 425 tonnes. Table J shows the total payments received by producers for the principal grades of barley delivered during the crop year.

**POOL ACCOUNT – DESIGNATED BARLEY**

As stated previously, since August 1, 1975, as authorized by Order-in-Council, barley selected and accepted from producers for use in malting, pot or pearling, has

been set up in a separate pool account. This account has been labeled "Designated Barley" and the results of operations on this account with comment thereon are contained in this section of the report.

**Initial Payments**

At the beginning of the crop year the Board was authorized to purchase designated barley from producers at a fixed initial price of \$180.00 per tonne for Special Select Canada Western Six-Row and \$190.00 per tonne for Special Select Canada Western Two-Row.

**Supplies and Grade Pattern**

Supplies of barley in the Designated Pool were 1 074 488 tonnes representing deliveries to the Board by producers during the crop year of barley which has been selected and accepted by purchasers for the use in malting, pot or pearling. Of these receipts 260 427 tonnes or 24.24 per cent were Special Select grades and 744 774 tonnes or 69.31 per cent were Select grades. Receipts of tough and damp grades totaled 6 698 tonnes or .62 per cent of total.

**Final Statement of Operations and Surplus for Distribution to Producers – Designated Barley – Table K**

Table K shows the operating results of this Pool Account for the crop year. Marketing operations resulted in a surplus of \$36,896,178. As to operating costs, it should be noted that the Designated Barley Pool by its very nature does not incur the handling expenses normally related to feeding grades of barley or other grains. It is not stored by the Board, being selected by the processor (buyer) from a producer's sample and is shipped on buyer's call directly from farm to processing plant via the country elevator. As a result the only expenses attributable to such barley were costs related to hopper cars



owned by the Wheat Board, and administrative charges totaling \$1,932,406 or \$1.799 per tonne. These expenses were reduced by interest earnings and demurrage adjustments of \$3,314,361 or \$3.085 per tonne. After deducting the interim payment of \$16,117,320 made to producers in November 1989 providing for the cost of issuing the interim and the final payments

and adding estimated interest earnings subsequent to September 30, 1989, the net surplus for distribution to producers was \$21,685,451 or \$20.182 per tonne on producer deliveries of 1 074 488 tonnes. Table L shows the total payments received by producers for the principal grades of designated barley delivered during the crop year.

**TABLE K**

**STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION  
TO PRODUCERS ON THE 1988-89 POOL ACCOUNT - DESIGNATED BARLEY**  
For the period August 1, 1988, to September 30, 1989  
with prior year figures for the 1987-88 Pool Account for comparison

	1988-89 Pool Account		1987-88 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
Receipts from Producers	1 074 488 tonnes		1 022 885 tonnes	
Sales Value	\$231,435,674	\$215.391	\$149,710,238	\$146.361
Initial Payments to Producers	195,921,451	182.339	130,135,153	127.224
Gross Surplus	35,514,223	33.052	19,575,085	19.137
Deduct Operating Costs:				
Interest	(3,266,267)	(3.040)	(2,004,837)	(1.960)
Demurrage/Despatch	(48,094)	(.045)	(128,420)	(.126)
Interest and Depreciation on Wheat Board Hopper Cars	576,427	.537	341,086	.334
Wheat Board Administrative Expenses	1,355,971	1.282	1,322,411	1.293
Total Operating Costs	(1,381,955)	(1.286)	(469,760)	(.459)
Surplus on Operations	36,896,178	34.338	20,044,845	19.596
Deduct: Interim Payment	16,117,320	15.000	—	—
	20,778,858	19.338	20,044,845	19.596
Add: Interest earned after September 30	935,670	.871	557,547	.545
Deduct: Cost of issuing Interim and Final Payments	29,077	.027	10,448	.010
Balance for Distribution to Producers	\$ 21,685,451	\$ 20.182	\$ 20,591,944	\$ 20.131

**TABLE L**

**PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF DESIGNATED BARLEY  
BASIS IN STORE THUNDER BAY OR VANCOUVER**

Grade	Initial Payments	Interim Payment	Final Payments	Total
		(Dollars per Tonne)		
<b>Designated Barley Grades</b>				
Special Select Canada Western Two-Row	\$190.00	\$15.00	\$17.750	222.75
Special Select Canada Western Six-Row	180.00	15.00	19.100	214.10
Select Canada Western Two-Row	185.00	15.00	20.250	220.25
Select Canada Western Six-Row	175.00	15.00	21.600	211.60





## NOTES TO FINANCIAL STATEMENTS

The following are an integral part of the financial statements.

### (1) ACCOUNTING POLICIES

#### (a) Operating Results and Valuation of Stocks of Grain

The annual accounts at July 31 include the final operating results of all pool accounts for the crop year ended July 31, where marketing operations have been completed before the issuance of the annual report for that year. In determining the financial results for such pools, the accounts of the Board at July 31 include:

(i) the stocks of such grains on hand at that date at the values which were ultimately received from the sale thereof basis instore Thunder Bay, Vancouver or Churchill; and

(ii) provision for all expenses incurred or to be incurred before the sales proceeds are realized in cash or in bills of exchange, including a charge for the portion of administrative and general expenses to be incurred subsequent to July 31 but relating to the marketing and accounting for the grains in the various pools before they are closed.

For pool accounts for which marketing operations have not been completed before the issuance of the annual report, the unsold stocks at July 31 are valued at cost, which is the initial price paid to producers, and no provision is made for carrying costs, interest, and administrative expenses beyond that date. Any debit or credit balance is carried on the balance sheet.

#### (b) Foreign Currency Translations

Bills of exchange receivable in United States funds which are covered by forward exchange contracts are translated at the contract rates. In all other cases, bills of exchange receivable and bank loans payable in United States funds are translated at the rate of exchange in effect as at the balance sheet date.

Foreign exchange adjustments arising from conversion of bills of exchange and bank loans are included in operating results.

#### (c) Depreciation

The rates of depreciation being applied are intended to fully depreciate assets over their expected lives and are as follows:

Hopper cars .....	30 years
Office building .....	40 years
Office furniture and equipment .....	10 years
Automotive equipment .....	2 years
(to 1/3 residual value)	

#### (d) Administration and General Expenses

Administration and general expenses, except for that portion of such expenses attributable to distributing final payments to producers, are allocated to the various pool account operations to which the services relate on the basis of the relative tonnage. Expenses attributable to final payments are allocated on the basis of the number of producers receiving payments from the various pool accounts.

### (2) BILLS OF EXCHANGE PLUS ACCRUED INTEREST

Of the total bills of exchange receivable, \$1,619,309,884 (1988 – \$1,477,962,712) represents the Canadian equivalent of \$1,371,366,772 (1988 – \$1,220,246,624) repayable in United States funds.

The balances receivable arise from sales of grain to Algeria, Brazil, Bangladesh, Egypt, Ethiopia, Haiti, Iraq, Israel, Jamaica, Mexico, Peru, Poland and Zambia. The terms call for payment in full within 36 months or less from time of shipment, except for Brazil, Egypt, Haiti, Jamaica, Mexico, Peru, Poland and Zambia where the Board, together with the Canadian Government, have agreed to reschedule certain receivables beyond their original maturity dates. Terms of such reschedulings call for payment of interest and the rescheduled debt within 10 years. As at July 31, 1989, total reschedulings amounted to \$3,088,748,737 including \$1,172,397,436 which is the Canadian equivalent of \$992,884,008 receivable in United States funds.

During the crop year the Board together with the Government of Canada concluded a bilateral rescheduling agreement with Poland, rescheduling over a 10-



year period amounts due and not paid, on all prior rescheduling agreements to December 31, 1987, including post maturity interest. Under this agreement the amounts which were due to mature in the year ending December 31, 1988, have also been rescheduled. The amounts subject to this rescheduling total \$608,190,585 which includes the Canadian equivalent of \$214,105,270 receivable in United States funds.

Subsequent to the year end, a multilateral arrangement was reached between Poland and official creditors under which the amounts in arrears at December 31, 1989, and all amounts falling due between January 1, 1990, and March 31, 1991, are to be rescheduled. Post maturity interest due and not paid on these amounts is also subject to rescheduling. As at July 31, 1989, the amounts in the accounts of the Board which are subject to this arrangement total \$662,025,046 which includes the Canadian equivalent of \$259,962,425 receivable in United States funds. Of these respective amounts, amounts due and not paid from Poland as at July 31, 1989, total \$271,449,947 which includes the Canadian equivalent of \$99,149,487 receivable in United States funds.

During the crop year, ending July 31, 1986, the Government of Canada and other creditor nations agreed to a further deferral of certain Zambian obligations that had earlier been rescheduled. The bilateral agreement to reschedule payments due and not paid as at December 31, 1985, and due and not paid for the period January 1, 1986, to December 31, 1986, has yet to be negotiated. The accounts of the Board at July 31, 1989, include \$15,058,519 which may be subject to this rescheduling.

Subsequent to the crop year the Board together with the Government of Canada concluded a bilateral rescheduling agreement with Jamaica, rescheduling over a 10-year period certain obligations due and not paid for the period June 1, 1988, to November 30, 1989. The accounts of the Board at July 31, 1989, include \$1,408,296 which was subject to this rescheduling agreement.

Credit sales are made within limits established by the Government of Canada which guarantees the Board's borrowings incurred to finance such sales, both as to principal and interest. Because of these guarantees, the Board does not consider itself to be at risk should any of the unpaid amounts prove to be uncollectable;

therefore, no provision is made in its accounts with respect to the possibility of debtors defaulting on their obligations.

### (3) ACCOUNTS RECEIVABLE

Settlement on amounts due on completed sales as at July 31 were received shortly after that date. Sundry accounts receivable consists mainly of freight costs which are recovered on completed sales.

### (4) COVERED HOPPER CARS

The Board purchased 2,000 covered hopper cars in 1979-80 having an original cost of \$90,555,623. Of these 2,000 cars, 44 cars have been wrecked and dismantled leaving 1,956 still in the fleet having an original cost of \$88,563,399 with accumulated depreciation of \$28,047,362 to July 31, 1989. The Board is reimbursed for destroyed cars under an operating agreement with the Canadian National Railway.

### (5) DEFERRED CHARGES – TRADE

During the latter part of the previous crop year, because the initial prices for the current crop year beginning August 1st were to be substantially higher, producers delivered significant quantities of grain to elevator companies which are Board agents and placed it on storage, to be sold to the agents after the beginning of the new crop year. The Board, in order to meet its sales commitments in the 1987-88 crop year, purchased wheat, durum and barley which had been placed on storage, from some of its agents. In those instances, where some of the agents had delivered grain to the Board in excess of their purchases from producers during the 1987-88 crop year, the agents had over-delivered their country liability to the Board. In the case of barley, the over-delivered stocks were also sold resulting in the barley pool being oversold at the end of the 1987-88 crop year.

The value of the over-deliveries totaled \$103,288,839 and this was recorded as an advance purchase of the 1988-89 crop. The over-sold barley position which resulted in net revenue of \$31,897,681 was treated as an advance sale of the 1988-89 crop and netted against the advance purchases. All other charges related to the over-delivered and over-sold positions have been appropriately adjusted between the pool accounts.





This situation did not recur in the 1988-89 pool accounts.

#### (6) LIABILITY TO BANKS

Details of liability to banks are as follows:

		July 31	
		1989	1988
Ordinary Operations			
Funds on deposit	\$ (88,352,406)		
Bank loans			\$ 29,342,978
Loans to finance credit sales			
		3,707,960,437	3,581,450,759
		<u>\$3,619,608,031</u>	<u>\$3,610,793,737</u>

Of the total liability \$1,605,838,592 (1988 – \$1,460,724,971) represents the Canadian equivalent of \$1,359,958,157 (1988 – \$1,206,014,672) repayable in United States funds.

The Board's borrowings are guaranteed by the Government of Canada.

#### (7) LIABILITY TO AGENTS FOR GRAIN PURCHASED FROM PRODUCERS

Grain companies acting in the capacity of agents of the Board accept deliveries from producers at country elevators and pay the producers on behalf of the Board based on the Board's initial price in effect. Settlement is not made by the Board for these purchases until delivery to the Board is completed by its agents at terminal or mill position. Liability to agents amounting to \$569,415,254 (1988 – \$11,265,153) represents the amount payable by the Board to its agents for 3 809 559 (1988 – 93 990) tonnes of grain on hand at country elevator points and in transit at July 31 for which delivery to and settlement by the Board is to be completed subsequent to year end date.

#### (8) LIABILITY TO AGENTS FOR DEFERRED CASH TICKETS

Grain companies as agents of the Board, deposit with the Board in trust an amount equal to the deferred cash tickets issued for Board grain. These monies are returned to the grain companies to cover producer deferred cash tickets maturing predominately during the first days of the following calendar year.

#### (9) ACCRUED EXPENSES AND ACCOUNTS PAYABLE

This item principally comprises accrued carrying charges, storage, interest and transportation charges to July 31, 1989, together with all other unpaid sundry accounts as at the foregoing date. It also includes provisions for all charges relating to the marketing of pool accounts for the period from August 1, 1989, to completion of operations on September 30, 1989, for wheat, amber durum wheat, barley and designated barley, and December 31, 1989, for designated oats, and March 9, 1990, for the regular oats pool.

#### (10) SPECIAL ACCOUNT – NET BALANCE OF UN-DISTRIBUTED PAYMENT ACCOUNTS

In accordance with the provision of Section 30 of the Canadian Wheat Board Act the Governor in Council may authorize the Board to transfer to a Special Account the unclaimed balances remaining in payment accounts which have been payable to producers for a period of six years or more. In addition to providing for payment of proper claims from producers against these old payment accounts, the Section further provides that these funds shall be used for purposes as the Governor in Council upon the recommendations of the Board may deem to be for the benefit of producers.

#### (11) PROVISION FOR FINAL PAYMENT EXPENSES

This item represents the balance of the Board's reserve for final payment expenses of pool accounts that have been closed. Six years after particular accounts have been closed, the remaining reserves for these pools are transferred to the special account by Order-in-Council.

#### (12) LEASE COMMITMENTS

The Board, as an agent of Her Majesty in Right of Canada, is the lessor of 2,000 covered hopper cars for the Government of Canada. All lease costs are recoverable from the Government and are not a charge to the operations of the Board. Total payments associated with leases in the year ended July 31, 1989, amounting to \$13,908,244 (1988 – \$16,110,582) have been recovered by the Board. Lease terms are for 20 and 25 years.

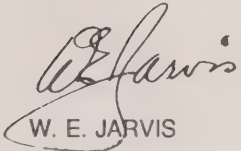


## ACKNOWLEDGEMENTS

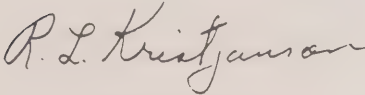
The Board wishes to express its appreciation for the efforts that were made by the officers and employees of the country elevator companies, the railway companies, terminal elevator companies, export agents, lake vessel operators and all those who participated in the sale and shipment of Prairie grain.

We would also like to record our appreciation for the loyal and conscientious services rendered by officers and staff of the Board.

This report is respectfully submitted.



W. E. JARVIS  
Chief Commissioner



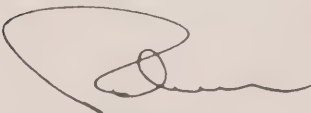
R. L. KRISTJANSON  
Assistant Chief Commissioner



F. M. HETLAND  
Commissioner



W. H. SMITH  
Commissioner



R. H. KLASSEN  
Commissioner



**1 METRIC TONNE (For All Grains)**

**2,204.6226 pounds**

**1 Metric Tonne = Bushels**

Wheat .....	36.743	710
Durum Wheat .....	36.743	710
Oats .....	64.841	841
Barley .....	45.929	638
Rye .....	39.368	261
Flaxseed .....	39.368	261
Canola .....	44.092	452
Corn .....	39.368	261



## INDEX TO FINANCIAL STATEMENTS

### Exhibit I

Balance Sheet

### Exhibit II

Statement of Operations, 1988-89 Pool Account –  
Wheat

### Exhibit III

Statement of Operations, 1988-89 Pool Account –  
Amber Durum Wheat

### Exhibit IV

Statement of Operations, 1988-89 Pool Account –  
Oats

### Exhibit V

Statement of Operations, 1988-89 Pool Account –  
Designated Oats

### Exhibit VI

Statement of Operations, 1988-89 Pool Account –  
Barley

### Exhibit VII

Statement of Operations, 1988-89 Pool Account –  
Designated Barley

### Exhibit VIII

Statement of Administrative and General Expenses  
and Allocations to Operations for the Year ended  
July 31, 1989

### Exhibit IX

Statement of Advance Payments to Producers under  
the Prairie Grain Advance Payments Act

### Exhibit X

Statement of Special Account Transactions

## AUDITORS' REPORT

## NOTES:



## EXHIBIT I

### BALANCE SHEET AS AT JULY 31, 1989

(with prior year figures for comparison)

	1989	1988
<b>ASSETS</b>		
Stocks of Grain: (Note 1(a))		
– Wheat .....	\$ 646,419,957	\$ 51,855,201
– Durum .....	130,206,714	119,446,586
– Oats .....	26,098,738	12,127,201
– Designated Oats .....	2,688,284	298,140
– Barley .....	187,609,928	–
– Designated Barley .....	31,308,222	14,530,982
	<u>1,024,331,843</u>	<u>198,258,110</u>
Bills of exchange plus accrued interest (Note 2) .....	3,701,171,827	3,572,718,038
Accounts receivable (Note 3)		
Amounts due on completed sales .....	53,450,801	46,258,233
Sundry .....	17,761,236	28,999,520
Prairie Grain Advance Payments Act .....	44,633,801	116,665,207
Due from the Government of Canada		
re: deficit on Pool Account operations:		
1988-89 Pool Account – Oats .....	32,361,239	–
The Canadian Wheat Board Building, Winnipeg, at cost less depreciation ....	1,611,503	1,721,640
Covered hopper cars, at cost less depreciation (Note 4) .....	60,516,037	63,568,184
Office furniture, equipment and automobiles, at cost less depreciation .....	1,190,416	977,190
Deferred charges – Trade (Note 5) .....	–	71,391,158
Deferred and prepaid expenses .....	1,999,562	1,973,456
	<u>\$4,939,028,265</u>	<u>\$4,102,530,736</u>



# THE CANADIAN WHEAT BOARD



	1989	1988
<b>LIABILITIES</b>		
Liability to banks (Note 6) .....	\$3,619,608,031	\$3,610,793,737
Liability to agents for grain purchased from producers (Note 7) .....	569,415,257	11,265,153
Liability to agents for deferred cash tickets (Note 8).....	102,811,770	40,452,058
Accrued expenses and accounts payable (Note 9) .....	86,520,811	31,152,492
Outstanding adjustment and final payment cheques to producers:		
– Wheat .....	454,024	2,087,570
– Durum .....	305,741	600,940
– Oats .....	19,060	36,247
– Designated Oats .....		432
– Barley .....	44,627	165,107
– Designated Barley .....	8,396	154,752
Special Account - net balance of undistributed payment accounts (Note 10) ....	4,272,574	5,986,523
Provision for final payment expenses (Note 11) .....	2,734,927	885,912
Surpluses resulting from operations:		
Pool Account:		
– Wheat .....	469,403,586	244,988,680
– Durum .....	26,417,209	104,400,100
– Oats .....		8,544,443
– Designated Oats .....	3,327,644	1,165,968
– Barley .....	16,788,430	19,805,777
– Designated Barley .....	36,896,178	20,044,845
	<u>\$4,939,028,265</u>	<u>\$4,102,530,736</u>



## EXHIBIT II

### 1988-89 POOL ACCOUNT – WHEAT

For the period August 1, 1988, to completion of operations on September 30, 1989  
(with prior year figures for the 1987-88 Pool Account for comparison)

#### Wheat acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....  
Net tonnes acquired from the adjustment of overages and shortages, etc., at country and  
terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver.....  
Purchased from prior year Pool Account – Wheat .....

#### Wheat sold:

Completed sales to July 31 basis in store Thunder Bay, Vancouver or Churchill:  
Domestic .....  
Export .....  
Weight losses in transit and in drying.....

Wheat stocks – being Wheat stocks on hand at July 31 stated at the ultimate value received  
from the sale thereof, basis in store Thunder Bay, Vancouver or Churchill:

Completed sales for the period subsequent to July 31:  
Domestic .....  
Export .....  
Sale to the subsequent Pool Account – Wheat .....

Surplus on Wheat transactions .....

#### Operating costs:

Carrying charges:  
Carrying charges on Wheat stored in country elevators .....  
Storage on Wheat stored in terminal elevators.....

Interest, bank charges and net interest on other Board accounts .....  
Demurrage/Despatch .....  
Additional freight – Wheat shipped from country stations to terminal position .....  
– freight rate change .....  
Handling and stop-off on Wheat warehoused at interior terminals .....  
Drying charges .....  
Interest and depreciation on Wheat Board hopper cars .....  
Wheat Board administrative and general expenses .....

Surplus on operations of the Board on the Pool Account – Wheat, for the period from

August 1, 1988, to September 30, 1989 (1987-88 September 30, 1988) .....

# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

1988-89		1987-88	
Tonnes	Amount	Tonnes	Amount
14 218 367	\$2,377,546,508	15 476 040	\$1,744,509,029
135 496	23,334,599	63 217	6,959,936
—	—	564 443	68,458,164
14 353 863	2,400,881,107	16 103 700	1,819,927,129
1 437 233	—	957 760	—
9 691 155	—	14 756 905	—
471	—	2 279	—
11 128 859	2,201,180,323	15 716 944	2,083,059,719
258 526	—	—	—
1 359 387	—	386 756	—
1 607 091	—	—	—
3 225 004	646,419,957	386 756	51,855,201
14 353 863	2,927,600,280	16 103 700	2,134,914,920
—	526,719,173	—	314,987,791
—	43,576,178	—	37,105,198
—	14,168,229	—	16,037,805
—	57,744,407	—	53,143,003
—	(33,651,756)	—	(17,785,610)
—	(3,302,045)	—	(265,409)
—	9,266,321	—	10,542,410
—	1,076,271	—	(1,513,861)
—	(19,809)	—	1,080,148
—	12,296	—	52,664
—	7,627,681	—	4,737,960
—	17,943,259	—	20,007,806
—	57,315,587	—	69,999,111
—	\$ 469,403,586	—	\$ 244,988,680



## EXHIBIT III

### 1988-89 POOL ACCOUNT – AMBER DURUM WHEAT

For the period August 1, 1988, to completion of operations on September 30, 1989  
(with prior year figures for the 1987-88 Pool Account for comparison)

#### Durum acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....  
Net tonnes acquired from the adjustment of overages and shortages, etc., at country and  
terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver .....  
Purchased from prior year Pool Account – Durum .....

#### Durum sold:

Completed sales to July 31 basis in store Thunder Bay, Vancouver or Churchill:  
Domestic .....  
Export .....  
Weight losses in transit and in drying .....

Durum stocks – being Durum stocks on hand at July 31 stated at the ultimate value received  
from the sale thereof, basis in store Thunder Bay, Vancouver or Churchill:

Completed sales for the period subsequent to July 31:  
Domestic .....  
Export .....  
Sale to the subsequent Pool Account – Durum .....

Surplus on Amber Durum Wheat transactions .....

#### Operating costs:

Carrying charges:  
Carrying charges on Durum stored in country elevators .....  
Storage on Durum stored in terminal elevators .....

Interest and bank charges .....  
Demurrage/Despatch .....  
Additional freight – Durum shipped from country stations to terminal position .....  
– freight rate change .....  
Handling and stop-off on Durum warehoused at interior terminals .....  
Drying charges .....  
Interest and depreciation on Wheat Board hopper cars .....  
Wheat Board administrative and general expenses .....

Surplus on operations of the Board on the Pool Account – Durum, for the period from  
August 1, 1988, to September 30, 1989 (1987-88 September 30, 1988) .....

# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

1988-89		1987-88	
Tonnes	Amount	Tonnes	Amount
2 254 359	\$420,780,711	2 708 407	\$321,361,389
17 902	3,306,710	15 103	1,810,663
200 258	33,626,638	621 128	76,928,140
<u>2 472 519</u>	<u>457,714,059</u>	<u>3 344 638</u>	<u>400,100,192</u>
128 456		125 607	
1 627 519		2 548 938	
<del>2 517</del>		<u>2 713</u>	
1 758 512	374,996,935	<u>2 677 258</u>	399,220,730
36 667		36 432	
252 555		430 690	
424 785		<u>200 258</u>	
714 007	130,206,714	<u>667 380</u>	119,446,586
<u>2 472 519</u>	<u>505,203,649</u>	<u>3 344 638</u>	<u>518,667,316</u>
	<u>47,489,590</u>		<u>118,567,124</u>
	10,827,316		9,140,017
	<u>4,810,372</u>		<u>2,694,180</u>
	15,637,688		11,834,197
	1,018,487		(1,452,155)
	(499,446)		(925,436)
	414,599		493,233
	444,893		(116,671)
	950		2,262
	870		926
	1,209,389		829,173
	<u>2,844,951</u>		<u>3,501,495</u>
	<u>21,072,381</u>		<u>14,167,024</u>
	\$ 26,417,209		<u>\$104,400,100</u>





## EXHIBIT IV

### 1988-89 POOL ACCOUNT – OATS

For the period August 1, 1988, to completion of operations on March 9, 1990  
(with prior year figures for the 1987-88 Pool Account for comparison)

#### Oats acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....  
Net tonnes acquired from the adjustment of overages and shortages, etc., at country and  
terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver .....  
Purchased from prior year Pool Account – Oats .....

#### Oats sold:

Completed sales to July 31 basis in store Thunder Bay or Vancouver .....  
Weight losses in transit and in drying .....

#### Oats stocks – being Oats stocks on hand at July 31 stated at the ultimate value received from the sale thereof, basis in store Thunder Bay or Vancouver:

Completed sales for the period subsequent to July 31 .....  
Sale to the subsequent Pool Account – Oats .....

(Deficit) Surplus on Oats transactions .....

#### Operating costs:

##### Carrying charges:

Carrying charges on Oats stored in country elevators .....  
Storage on Oats stored in terminal elevators .....

Interest and bank charges .....

Demurrage/Despatch .....

Additional freight – Oats shipped from country stations to terminal position .....  
– freight rate change .....

Handling and stop-off .....

Drying charges .....

Interest and depreciation on Wheat Board hopper cars .....

Wheat Board administrative and general expenses .....

#### (Deficit) Surplus on operations of the Board on the Pool Account – Oats

for the period from August 1, 1988, to March 9, 1990 (1987-88 September 30, 1988) .....

# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

1988-89		1987-88	
Tonnes	Amount	Tonnes	Amount
777 978	\$124,324,483	256 132	\$23,100,925
1 142	184,604	386	33,409
32 575	5 918,150	70 285	8,865,289
811 695	130,427,237	326 803	31,999,623
555 953	84,692,443	251 141	30,148,393
11	-	20	-
255 731	26,098,738	43 067	6,209,051
811 695	110,791,181	32 575	5,918,150
	(19,636,056)	326 803	42,275,594
			10,275,971
	4,408,605		539,261
	2,065,624		602,275
	6,474,229		1,141,536
	3,372,879		(149,220)
	(47,455)		47,455
	1,396,375		272,321
	24,552		(2,263)
	2,872		1,023
	309		4,133
	417,360		85,409
	1,084,062		331,134
	12,725,183		1,731,528
	\$ (32,361,239)		\$ 8,544,443



## EXHIBIT V

### 1988-89 POOL ACCOUNT – DESIGNATED OATS

For the period August 1, 1988, to completion of operations on December 31, 1989  
(with prior year figures for the 1987-88 Pool Account for comparison)

Designated Oats acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....

Designated Oats sold:

Completed sales to July 31 basis in store Thunder Bay or Vancouver .....

Designated Oats stocks – being Designated Oats stocks on hand at July 31 stated at the ultimate value received from the sale thereof, basis in store Thunder Bay or Vancouver:

Completed sales for the period subsequent to July 31 .....

Surplus on Designated Oats transactions .....

Operating costs:

Interest .....

Interest and depreciation on Wheat Board hopper cars .....

Wheat Board administrative and general expenses .....

Surplus on operations of the Board on the Pool Account – Designated Oats, for the period from

August 1, 1988, to December 31, 1989 (1987-88 September 30, 1988) .....

# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

1988-89		1987-88	
Tonnes	Amount	Tonnes	Amount
222 987	\$42,337,292	76 321	\$9,261,146
212 530	43,006,260	74 434	10,166,104
10 457	2,688,284	1 887	298,140
222 987	45,694,544	76 321	10,464,244
	3,357,252		1,203,098
	(389,010)		(86,990)
	119,625		25,450
	298,993		98,670
	29,608		37,130
	\$ 3,327,644		\$1,165,968



## EXHIBIT VI

### 1988-89 POOL ACCOUNT – BARLEY

For the period August 1, 1988, to completion of operations on September 30, 1989  
(with prior year figures for the 1987-88 Pool Account for comparison)

#### Barley acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....  
Net tonnes acquired from the adjustment of overages and shortages, etc., at country and  
terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver.....  
Purchased from prior year Pool Account – Barley .....

#### Barley sold:

Completed sales to July 31 basis in store Thunder Bay, Vancouver or Churchill .....  
Weight losses in transit and in drying .....

#### Barley stocks – being Barley stocks on hand at July 31 stated at the ultimate value received from the sale thereof, basis in store Thunder Bay, Vancouver or Churchill:

Completed sales for the period subsequent to July 31 .....  
Sale to the subsequent Pool Account – Barley .....

Surplus on Barley transactions.....

#### Operating costs:

##### Carrying charges:

Carrying charges on Barley stored in country elevators .....  
Storage on Barley stored in terminal elevators .....

Interest and bank charges.....

Demurrage/Despatch .....

Additional freight – Barley shipped from country stations to terminal position.....

– freight rate change .....

Handling and stop-off on Barley warehoused at interior terminals .....

Drying charges .....

Interest and depreciation on Wheat Board hopper cars .....

Wheat Board administrative and general expenses .....

#### Surplus on operations of the Board on the Pool Account – Barley, for the period from

August 1, 1988, to September 30, 1989 (1987-88 September 30, 1988) .....



# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

1988-89		1987-88	
Tonnes	Amount	Tonnes	Amount
4 035 425	\$483,922,812	2 224 961	\$144,395,122
69 065	5,797,698	34 596	2,451,270
—	—	—	—
<u>4 104 490</u>	<u>489,720,510</u>	<u>2 259 557</u>	<u>146,846,392</u>
2 672 893	342,804,701	2 259 223	172,410,524
54	—	334	—
963 353	128,302,861	—	—
468 190	59,307,067	—	—
<u>4 104 490</u>	<u>530,414,629</u>	<u>2 259 557</u>	<u>172,410,524</u>
	40,694,119		25,564,132
	10,930,743		639,467
	2,425,508		1,279,713
	13,356,251		1,919,180
	288,533		(2,940,186)
	(334,009)		2,678,089
	1,755,367		864,102
	1,581,659		(359,295)
	—		7,554
	402		31,258
	2,164,871		681,168
	5,092,615		2,876,485
	<u>23,905,689</u>		<u>5,758,355</u>
	\$ 16,788,430		\$ 19,805,777



## EXHIBIT VII

### 1988-89 POOL ACCOUNT – DESIGNATED BARLEY

For the period August 1, 1988, to completion of operations on September 30, 1989  
(with prior year figures for the 1987-88 Pool Account for comparison)

Designated Barley acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....

Designated Barley sold:

Completed sales to July 31 basis in store Thunder Bay or Vancouver .....

Designated Barley stocks – being Designated Barley stocks on hand at July 31 stated at the ultimate value  
received from the sale thereof, basis in store Thunder Bay or Vancouver:

Completed sales for the period subsequent to July 31 .....

Surplus on Designated Barley transactions .....

Operating costs:

Interest .....

Demurrage/Despatch .....

Interest and depreciation on Wheat Board hopper cars .....

Wheat Board administrative and general expenses .....

Surplus on operations of the Board on the Pool Account – Designated Barley, for the period from

August 1, 1988, to September 30, 1989 (1987-88 September 30, 1988) .....

# THE CANADIAN WHEAT BOARD



## STATEMENT OF OPERATIONS

1988-89		1987-88	
Tonnes	Amount	Tonnes	Amount
<u>1 074 488</u>	<u>\$195,921,451</u>	<u>1 022 885</u>	<u>\$130,135,153</u>
942 125	200,127,452	944 925	135,179,256
132 363	31,308,222	77 960	14,530,982
<u>1 074 488</u>	<u>231,435,674</u>	<u>1 022 885</u>	<u>149,710,238</u>
	35,514,223		19,575,085
	(3,266,267)		(2,004,837)
	(48,094)		(128,420)
	576,427		341,086
	1,355,979		1,322,411
	<u>(1,381,955)</u>		<u>(469,760)</u>
	<u>\$ 36,896,178</u>		<u>\$ 20,044,845</u>



## EXHIBIT VIII

### STATEMENT OF ADMINISTRATIVE AND GENERAL

For the year ended July 31, 1989 (with prior year figures for comparison)

	1988-89	1987-88
Administrative and General Expenses:		
Salaries – Board members, officers and staff .....	\$16,246,201	\$15,586,850
Unemployment insurance, pension, group insurance, medical and other employee benefits .....	2,180,867	1,853,036
Manitoba Health and Education Tax .....	323,451	338,613
Advisory Committee .....	113,491	103,460
Rental and lighting of offices including maintenance of The Canadian Wheat Board Building .....	1,547,222	1,472,794
Telephones – exchange service and long distance calls .....	480,534	472,517
Telegrams, cables and telex expense .....	118,836	127,928
Postage .....	682,879	679,653
Printing, stationery and supplies .....	593,153	516,454
Annual report, mini report and “Grain Matters”, etc. ....	158,849	153,514
District meetings .....	22,533	20,064
Office expense .....	694,451	678,549
Travelling and transfer of staff .....	873,706	868,819
Travelling expenses - inspectors .....	183,638	223,467
Legal fees and court costs .....	67,329	26,371
Audit fees .....	98,500	98,500
Computing equipment – rental and sundries .....	2,399,736	3,136,099
Repair and upkeep of office machines and equipment .....	23,177	62,775
Grain market publications and services .....	98,248	116,863
The Canadian Wheat Board share of operating expenses of Canadian International Grains Institute .....	1,184,256	1,266,031
Bonds and insurance .....	33,896	39,175
Depreciation on building, furniture, equipment and automobiles .....	358,053	372,051
	<u>\$28,483,006</u>	<u>\$28,213,583</u>

# THE CANADIAN WHEAT BOARD



## EXPENSES AND ALLOCATIONS TO OPERATIONS

	1988-89	1987-88
<b>Allocations to Operations:</b>		
<b>1. Marketing of Producers' Grain</b>		
1988-89 Pool Account - Wheat .....	\$ 9,214,423	
1988-89 Pool Account - Durum .....	1,460,971	
1988-89 Pool Account - Oats .....	504,180	
1988-89 Pool Account - Designated Oats .....	144,510	
1988-89 Pool Account - Barley .....	2,615,217	
1988-89 Pool Account - Designated Barley .....	696,338	
1987-88 Pool Account - Wheat .....	1,670,421	
1987-88 Pool Account - Durum .....	157,971	
1987-88 Pool Account - Oats .....	47,071	
1987-88 Pool Account - Designated Oats .....	1,372,254	
1987-88 Pool Account - Barley .....	630,869	
1987-88 Pool Account - Designated Barley .....	28,059,138	\$26,987,337
<b>2. Distributing Final Payments to Producers</b>		
(a) Wheat and Durum		
1987-88 Pool Account - Wheat .....	205,997	
1987-88 Pool Account - Durum .....	45,890	
1986-87 Pool Account - Wheat .....	21,529	
1986-87 Pool Account - Durum .....	14,549	
1985-86 Pool Account - Durum .....	2,804	
1984-85 Pool Account - Wheat .....	3,449	
1984-85 Pool Account - Durum .....	472	
1983-84 Pool Account - Wheat .....	1,808	
1983-84 Pool Account - Durum .....	245	
1982-83 Pool Account - Wheat .....	292	
1982-83 Pool Account - Durum .....	299,170	186,902
(b) Coarse Grains		
1987-88 Pool Account - Oats .....	13,697	
1987-88 Pool Account - Designated Oats .....	1,961	
1987-88 Pool Account - Barley .....	75,567	
1987-88 Pool Account - Designated Barley .....	18,098	
1986-87 Pool Account - Oats .....	5,962	
1986-87 Pool Account - Designated Oats .....	759	
1985-86 Pool Account - Designated Oats .....	743	
1985-86 Pool Account - Designated Barley .....	1,739	
1984-85 Pool Account - Oats .....	880	
1984-85 Pool Account - Designated Oats .....	155	
1984-85 Pool Account - Barley .....	2,079	
1984-85 Pool Account - Designated Barley .....	365	
1983-84 Pool Account - Oats .....	460	
1983-84 Pool Account - Designated Oats .....	82	
1983-84 Pool Account - Barley .....	1,091	
1983-84 Pool Account - Designated Barley .....	193	
1982-83 Pool Account - Oats .....	545	
1982-83 Pool Account - Designated Oats .....	94	
1982-83 Pool Account - Designated Barley .....	228	
	124,698	39,344
<b>3. Allocation authorized by Order-in-Council from Special Account –</b>		
Undistributed Payment Accounts in partial payment of Administrative and General		
Expense incurred in respect of the Prairie Grain Advance Payment Act .....	0	1,000,000
	\$28,483,006	\$28,213,583



# THE CANADIAN WHEAT BOARD



## EXHIBIT IX

### STATEMENT OF ADVANCE PAYMENTS TO PRODUCERS UNDER THE PRAIRIE GRAIN ADVANCE PAYMENTS ACT

As at July 31, 1989

	Cash Advances to Producers	Advances Repaid by Producers	Balance to be Refunded by Producers
1957-58 Crop Year .....	\$ 35,203,467	\$ 35,200,848	\$ 2,619
1958-59 Crop Year .....	34,369,653	34,366,768	2,885
1959-60 Crop Year .....	38,492,505	38,490,061	2,444
1960-61 Crop Year .....	63,912,550	63,905,208	7,342
1961-62 Crop Year .....	16,656,713	16,651,472	5,241
1962-63 Crop Year .....	29,251,526	29,245,974	5,552
1963-64 Crop Year .....	62,136,418	62,129,679	6,739
1964-65 Crop Year .....	32,961,844	32,955,727	6,117
1965-66 Crop Year .....	40,600,386	40,596,511	3,875
1966-67 Crop Year .....	36,668,270	36,664,915	3,355
1967-68 Crop Year .....	47,280,533	47,277,578	2,955
1968-69 Crop Year .....	151,852,319	151,771,755	80,564
1969-70 Crop Year .....	272,777,516	272,477,615	299,901
1970-71 Crop Year .....	91,105,890	91,076,244	29,646
1971-72 Crop Year .....	68,142,360	68,110,271	32,089
1972-73 Crop Year .....	20,754,104	20,743,234	10,870
1973-74 Crop Year .....	35,259,387	35,220,656	38,731
1974-75 Crop Year .....	46,635,399	46,609,707	25,692
1975-76 Crop Year .....	20,236,528	20,208,199	28,329
1976-77 Crop Year .....	130,592,220	130,483,087	109,133
1977-78 Crop Year .....	119,090,916	118,929,698	161,218
1978-79 Crop Year .....	151,316,450	151,197,705	118,745
1979-80 Crop Year .....	99,146,581	99,084,630	61,951
1980-81 Crop Year .....	61,640,150	61,599,760	40,390
1981-82 Crop Year .....	333,688,190	333,238,456	449,734
1982-83 Crop Year .....	309,022,755	308,239,484	783,271
1983-84 Crop Year .....	286,736,519	285,985,240	751,279
1984-85 Crop Year .....	201,289,320	200,443,685	845,635
1985-86 Crop Year .....	340,670,296	339,478,759	1,191,537
1986-87 Crop Year .....	642,511,850	640,233,293	2,278,557
1987-88 Crop Year .....	563,607,958	555,434,195	8,173,763
1988-89 Crop Year .....	319,522,186	272,997,691	46,524,495
	<u>\$4,703,132,759</u>	<u>\$4,641,048,105</u>	
Balance to be refunded by Producers as at July 31, 1989 .....			62,084,654
Add:			
Bank interest to July 31, 1989, payable by the Government of Canada .....		173,415,438	
Less: Amount paid to July 31, 1989 .....		<u>172,838,537</u>	576,901
			62,661,555
Deduct:			
Balance of funds received to cover advance payments in default:			
Government of Canada .....		3,068,495	
Line Elevator Companies .....		109,030	
Interest received on default payments .....		<u>14,850,229</u>	18,027,754
Owing to The Canadian Wheat Board as at July 31, 1989 .....			<u>\$44,633,801</u>

# THE CANADIAN WHEAT BOARD



## EXHIBIT X

### STATEMENT OF SPECIAL ACCOUNT TRANSACTIONS

For the year ended July 31, 1989

Balance of Special Account as at July 31, 1988 .....	\$5,986,523
Transfer to Special Account authorized by Order-in-Council P.C. 1989 - 1438 from the following:	
1981 Wheat Payment Account .....	\$(826,059)
1981 Durum Payment Account .....	(143,602)
1981 Designated Oats Payment Account .....	(25,137)
1981 Barley Payment Account .....	19,163
1981 Designated Barley Payment Account .....	<u>(73,183)</u>
	<u>(1,048,818)</u>
	4,937,705

#### Expenditures:

Authorized by Order-in-Council No.	Description of Purpose	Unexpended as at July 31, 1988	Authorized Crop Year 1988-89	Unexpended as at July 31, 1989	Expended Crop year 1988-89
P.C. 1988 - 1487					
P.C. 1989 - 1439	Market Development .....	\$191,083	\$300,000	\$206,363	\$284,720
P.C. 1988 - 1488	Scholarship Program .....	41,735	263,265	43,141	261,859
P.C. 1987 - 2591	Forks National Historic Park .....	50,000	—	—	50,000
P.C. 1987 - 1122	Canadian International Grains Institute — Capital Expenditures .....	86,591	—	52,144	34,447
P.C. 1984 - 2690	Customer Mission Program .....	24,804	—	—	24,804
P.C. 1983 - 2003	Joint Policy Coordinating Committee of Canada and United States Wheat Producers .....	88,133	—	88,133	—
		<u>\$482,346</u>	<u>\$563,265</u>	<u>\$389,781</u>	<u>655,830</u>
					4,281,875
Less: Payments to producers against old payment account .....					9,302
Balance of Special Account as at July 31, 1989 .....					<u>\$4,272,573</u>

As at July 31, 1989, there were unexpended authorizations totaling \$389,781 leaving an unexpended balance of \$3,882,792 in the Account.

AUDITORS' REPORT

To The Canadian Wheat Board:

We have examined the balance sheet of The Canadian Wheat Board as at July 31, 1989, and the statements of operations for the 1988-89 pool accounts for wheat, amber durum wheat, barley and designated barley for the period August 1, 1988, to completion of operations on September 30, 1989, the statement of operations for the 1988-89 pool account for designated oats for the period August 1, 1988, to completion of operations on December 31, 1989, the statement of operations for the 1988-89 pool account for oats for the period August 1, 1988, to completion of operations on March 9, 1990, the statement of administrative and general expenses and allocations to operations for the year ended July 31, 1989, the statement of advance payments to producers under the Prairie Grain Advance Payments Act as at July 31, 1989, and the statement of special account transactions for the year ended July 31, 1989. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests and other procedures as we considered necessary in the circumstances.

In our opinion, these financial statements present fairly the financial position of the Board as at July 31, 1989, and the results of operations for the periods shown, in accordance with generally accepted accounting principles consistently applied.



Chartered Accountants

March 9, 1990



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**TABLE I**  
**ACREAGE OF PRINCIPAL GRAINS IN THE WESTERN CANADIAN PROVINCES**  
**1965 TO 1989**

Year	Wheat 000 acres	Durum 000 acres	All Wheat 000 acres	Oats 000 acres	Barley 000 acres	Rye 000 acres	Flaxseed <sup>2</sup> 000 acres	Canola <sup>3</sup> 000 acres	Total 000 acres
1965	27,093	799	27,892	5,705	5,893	745	2,267	1,435	43,937
1966	28,229	1,064	29,293	5,491	7,160	674	1,885	1,525	46,028
1967	28,369	1,302	29,671	5,157	7,780	631	999	1,635	45,873
1968	26,648	2,370	29,018	5,418	8,500	622	1,503	1,056	46,117
1969	21,396	3,154	24,550	5,506	8,970	786	2,321	2,022	44,155
1970	9,010	3,065	12,075	5,320	9,480	767	3,300	4,074	35,016
1971	16,722	2,272	18,994	5,405	13,508	907	1,762	5,341	45,917
1972	17,755	3,160	20,915	4,723	12,050	583	1,320	3,318	42,909
1973	20,865	2,350	23,215	5,370	11,520	584	1,450	3,205	45,344
1974	18,720	2,850	21,570	4,865	11,370	804	1,450	3,160	43,219
1975	19,205	3,650	22,855	4,710	10,590	747	1,400	4,520	44,822
1976	23,665	3,500	27,165	4,738	10,302	550	800	1,778	45,333
1977	22,475	1,800	24,275	4,220	11,330	566	1,475	3,590	45,456
1978	22,020	3,650	25,670	3,460	10,060	733	1,300	6,980	48,203
1979	22,580	2,800	25,380	2,750	8,730	745	2,300	8,420	48,325
1980	23,760	3,300	27,060	2,706	10,950	686	1,370	5,140	47,912
1981	25,856	4,200	30,056	3,068	12,730	999	1,150	3,463	51,466
1982	26,950	3,650	30,600	3,170	11,875	997	1,550	4,390	52,582
1983	29,660	3,500	33,160	2,620	9,830	956	1,065	5,750	53,381
1984	27,710	4,150	31,860	2,680	10,395	815	1,780	7,610	55,140
1985	28,920	4,300	33,220	2,710	10,800	830	1,830	6,875	56,265
1986	29,750	4,560	34,310	2,610	10,810	721	1,865	6,430	56,746
1987	27,230	5,400	32,630	2,520	11,240	725	1,460	6,560	55,135
1988	25,525	5,600	31,125	2,720	9,260	581	1,240	9,010	53,936
1989 <sup>1</sup>	26,325	6,450	32,775	3,480	10,535	1,149	1,580	7,125	56,644

<sup>1</sup> Subject to revision.

<sup>2</sup> Flaxseed acreage for British Columbia not available 1972 forward.

<sup>3</sup> Canola acreage for British Columbia not available 1965 and 1966.

Source: Statistics Canada.





**TABLE II**  
**YIELD OF PRINCIPAL GRAINS IN THE WESTERN CANADIAN PROVINCES**  
**1965 TO 1989**

Year	Wheat kg per acre	Durum kg per acre	All Wheat kg per acre	Oats kg per acre	Barley kg per acre	Rye kg per acre	Flaxseed kg per acre	Canola kg per acre
1965	622	546	621	743	766	561	317	356
1966	754	727	754	723	862	594	297	383
1967	533	422	528	591	666	427	228	344
1968	601	522	593	722	786	470	325	418
1969	728	716	727	760	856	437	305	376
1970	705	718	708	811	890	566	366	404
1971	744	671	735	836	930	577	322	406
1972	678	633	672	786	897	518	337	397
1973	685	600	678	796	851	566	340	382
1974	595	548	588	638	738	561	241	368
1975	730	646	716	763	856	651	317	407
1976	843	817	841	856	980	706	345	471
1977	784	709	778	848	1 004	650	442	550
1978	807	781	803	805	979	772	440	501
1979	644	643	644	770	973	627	354	405
1980	689	617	680	820	971	547	323	483
1981	810	709	796	840	1 006	833	407	530
1982	860	855	859	930	1 085	821	474	512
1983	775	749	772	826	945	775	417	453
1984	655	502	635	732	885	702	389	447
1985	729	455	694	822	976	613	493	504
1986	882	854	878	957	817	775	550	577
1987	774	743	769	969	1 119	628	499	582
1988	497	353	471	894	985	391	301	475
1989 <sup>1</sup>	719	635	703	817	987	689	337	424

<sup>1</sup> Subject to revision.

Source: Statistics Canada.



**TABLE III**  
**PRODUCTION OF PRINCIPAL GRAINS IN THE WESTERN CANADIAN PROVINCES**  
**1965 TO 1989**

Year	Wheat 000 tonnes	Durum 000 tonnes	All Wheat 000 tonnes	Oats 000 tonnes	Barley 000 tonnes	Rye 000 tonnes	Flaxseed <sup>2</sup> 000 tonnes	Canola <sup>3</sup> 000 tonnes	Total 000 tonnes
1965	16 842	436	17 278	4 241	4 518	418	722	513	27 690
1966	21 285	773	22 058	3 975	6 169	401	559	585	33 747
1967	15 129	550	15 679	3 046	5 178	268	229	563	24 963
1968	16 005	1 236	17 241	3 908	6 689	292	490	441	29 061
1969	15 578	2 259	17 837	4 190	7 670	343	706	760	31 506
1970	6 355	2 202	8 557	4 318	8 448	435	1 214	1 646	24 618
1971	12 446	1 524	13 970	4 522	12 571	523	567	2 166	34 319
1972	12 033	2 000	14 033	3 717	10 812	304	447	1 317	30 630
1973	14 294	1 410	15 704	4 270	9 798	328	493	1 224	31 817
1974	11 145	1 562	12 707	3 108	8 391	452	351	1 163	26 172
1975	14 013	2 357	16 370	3 596	9 051	486	444	1 839	31 786
1976	19 954	2 858	22 812	4 053	10 087	387	277	837	38 453
1977	17 622	1 276	18 898	3 580	11 380	368	653	1 973	36 852
1978	17 772	2 852	20 624	2 787	9 847	566	572	3 497	37 893
1979	14 557	1 799	16 356	2 117	7 899	467	815	3 411	31 065
1980	16 368	2 036	18 404	2 219	10 649	375	442	2 483	34 572
1981	20 945	2 977	23 922	2 578	12 804	832	468	1 837	42 441
1982	23 174	3 121	26 295	2 949	12 882	819	734	2 246	45 925
1983	22 976	2 620	25 596	2 165	9 286	741	444	2 602	40 834
1984	18 137	2 085	20 222	1 961	9 197	572	693	3 407	36 052
1985	21 089	1 957	23 046	2 227	11 061	509	902	3 467	41 212
1986	26 247	3 897	30 144	2 726	13 216	559	1 026	3 713	51 384
1987	21 076	4 014	25 090	2 442	12 580	455	729	3 817	45 113
1988	12 682	1 979	14 661	2 431	9 121	227	373	4 277	31 090
1989 <sup>1</sup>	18 938	4 098	23 036	2 842	10 401	792	531	3 019	40 621

<sup>1</sup> Subject to revision.

<sup>2</sup> Flaxseed production for British Columbia not available 1972 forward.

<sup>3</sup> Canola production for British Columbia not available 1965 and 1966.

Source: Statistics Canada.



**TABLE IV**

**PRODUCERS' MARKETINGS - WESTERN CANADIAN GRAINS  
CROP YEARS 1964-65 TO 1988-89**

Crop Year	Wheat 000 tonnes	Durum 000 tonnes	All Wheat 000 tonnes	Oats 000 tonnes	Barley 000 tonnes	Rye 000 tonnes	Flaxseed 000 tonnes	Canola 000 tonnes	Total 000 tonnes
1964-65	13 439	836	14 275	632	1 632	187	428	247	17 401
1965-66	14 967	529	15 496	798	2 044	306	602	426	19 672
1966-67	16 577	633	17 210	593	2 454	279	511	472	21 519
1967-68	11 922	489	12 411	475	1 901	176	202	454	15 619
1968-69	10 846	670	11 516	641	1 780	97	389	399	14 822
1969-70	10 158	1 089	11 247	322	3 667	193	561	646	16 636
1970-71	8 838	1 621	10 459	898	5 136	295	856	1 395	19 039
1971-72	11 945	2 139	14 084	499	6 433	395	548	1 584	23 543
1972-73	15 359	1 875	17 234	501	5 156	235	466	1 428	25 020
1973-74	13 294	1 302	14 596	614	5 118	189	391	993	21 901
1974-75	10 182	1 315	11 497	621	4 555	265	274	935	18 147
1975-76	11 993	2 307	14 300	794	4 686	321	395	1 399	21 895
1976-77	13 410	1 532	14 942	846	5 814	301	246	1 030	23 179
1977-78	17 275	1 835	19 110	764	5 237	256	494	1 759	27 620
1978-79	12 987	1 486	14 473	363	5 364	247	425	2 945	23 817
1979-80	16 795	1 909	18 704	319	5 408	449	675	2 928	26 483
1980-81	15 902	2 722	18 624	391	6 430	354	424	2 153	28 376
1981-82	17 064	2 607	19 671	503	7 505	617	377	1 991	30 664
1982-83	22 462	2 868	25 330	365	7 023	518	536	2 016	35 788
1983-84	20 749	2 273	23 022	407	6 690	691	381	2 264	33 455
1984-85	16 398	1 784	18 182	314	5 077	331	533	2 984	27 421
1985-86	19 277	1 691	20 968	320	6 435	238	689	2 926	31 576
1986-87	19 474	2 934	22 408	457	7 448	259	777	3 364	34 713
1987-88	19 515	3 240	22 755	599	5 746	258	601	3 328	33 287
1988-89 <sup>1</sup>	12 073	1 791	13 864	1 095	5 571	173	295	3 493	24 491

<sup>1</sup> Subject to revision.

Source: Canadian Grain Commission for 1988-89.

All previous years - Statistics Canada "Grain Trade of Canada".

**TABLE V**

**PRIMARY ELEVATOR SHIPMENTS  
CROP YEARS 1973-74 TO 1988-89**

Crop Year	Wheat 000 tonnes	Durum 000 tonnes	All Wheat 000 tonnes	Oats 000 tonnes	Barley 000 tonnes	Rye 000 tonnes	Flaxseed 000 tonnes	Canola 000 tonnes	Total 000 tonnes
1973-74	12 926	1 400	14 326	578	4 677	193	362	753	20 889
1974-75	11 173	1 577	12 750	528	4 838	213	279	679	19 287
1975-76	12 363	1 881	14 244	798	5 431	316	284	741	21 814
1976-77	13 384	1 704	15 088	942	5 232	265	317	1 035	22 879
1977-78	15 498	1 876	17 374	556	5 179	260	340	1 092	24 801
1978-79	13 508	1 478	14 986	353	5 680	219	466	1 863	23 567
1979-80	16 402	2 144	18 546	564	5 733	389	490	1 893	27 615
1980-81	15 988	2 500	18 488	406	5 740	450	508	1 280	26 872
1981-82	17 643	2 638	20 281	465	7 459	507	394	1 285	30 391
1982-83	21 089	2 871	23 960	368	6 815	388	382	1 228	33 141
1983-84	21 149	2 544	23 693	414	7 086	738	528	1 446	33 905
1984-85	17 803	1 933	19 736	303	4 551	346	490	1 757	27 183
1985-86	17 481	1 438	18 919	236	5 859	283	558	1 616	27 471
1986-87	19 849	2 550	22 399	445	7 508	197	625	2 148	33 322
1987-88	20 578	3 593	24 171	523	5 674	239	554	2 273	33 434
1988-89 <sup>1</sup>	12 205	1 851	14 056	1 043	5 221	181	340	2 524	23 365

<sup>1</sup> Subject to revision.

Source: Canadian Grain Commission for 1988-89.

All previous years - Statistics Canada "Grain Trade of Canada".



**TABLE VI**

**VESSEL SHIPMENTS OF PRINCIPAL GRAINS FROM THE LAKEHEAD**

**CROP YEARS 1969-70 TO 1988-89**

Crop Year	Wheat 000 tonnes	Durum 000 tonnes	All Wheat 000 tonnes	Oats 000 tonnes	Barley 000 tonnes	Rye 000 tonnes	Flaxseed 000 tonnes	Canola 000 tonnes	Total 000 tonnes
1969-70	5 317	638	5 955	407	2 050	79	282	58	8 871
1970-71	6 481	1 210	7 691	427	3 398	97	363	317	12 293
1971-72	7 119	1 464	8 583	418	4 193	131	406	333	14 064
1972-73	7 765	1 403	9 168	404	2 497	68	334	391	12 862
1973-74	7 040	1 182	8 222	235	2 157	102	210	143	11 069
1974-75	6 173	1 241	7 414	215	2 068	103	168	61	10 029
1975-76	7 629	1 682	9 311	492	2 223	218	121	31	12 396
1976-77	7 448	1 212	8 660	669	2 159	67	207	161	11 923
1977-78	7 424	1 649	9 073	358	2 735	158	192	83	12 599
1978-79	7 351	1 017	8 368	201	2 859	57	333	249	12 067
1979-80	8 535	1 630	10 165	298	2 231	243	280	424	13 641
1980-81	8 285	1 783	10 068	212	1 961	315	269	127	12 952
1981-82	8 739	2 019	10 758	199	2 725	372	229	136	14 419
1982-83	10 918	2 242	13 160	163	3 182	116	249	125	16 995
1983-84	11 751	2 312	14 063	138	3 555	74	345	185	18 360
1984-85	9 559	1 741	11 300	90	1 066	12	322	150	12 940
1985-86	7 828	1 162	8 990	41	1 510	12	318	145	11 016
1986-87	8 956	1 843	10 799	122	2 312	27	417	194	13 871
1987-88	7 652	2 949	10 601	130	1 350	32	404	244	12 761
1988-89 <sup>1</sup>	3 992	1 449	5 441	262	595	9	187	313	6 807

<sup>1</sup> Subject to revision.

Source: Canadian Grain Commission 451.10 for 1988-89.

All previous years - Statistics Canada "Grain Trade of Canada".





**TABLE VII**  
**CANADIAN WHEAT SUPPLIES AND DISPOSITION**  
**CROP YEARS 1969-70 TO 1989-90**

Crop Year	Inward Carryover <sup>1</sup> August 1st		Production 000 tonnes	Total Supplies 000 tonnes	Domestic Disappearance <sup>2</sup>		Exports <sup>1</sup> Wheat and Flour 000 tonnes	Total Outward <sup>1</sup> Carryover July 31st 000 tonnes
	Farm 000 tonnes	Commercial 000 tonnes			Farm 000 tonnes	Commercial <sup>3</sup> 000 tonnes		
1969-70	10 130	13 053	18 267	41 450	2 166	2 402	9 430	27 452
1970-71	14 770	12 682	9 024	36 476	2 355	2 295	11 846	19 980
1971-72	10 746	9 235	14 412	34 393	2 435	2 351	13 720	15 887
1972-73	8 477	7 410	14 515	30 402	2 384	2 381	15 692	9 945
1973-74	3 130	6 815	16 162	26 107	2 280	2 292	11 446	10 089
1974-75	2 205	7 884	13 304	23 393	2 016	2 560	10 779	8 038
1975-76	1 633	6 405	17 081	25 119	2 396	2 408	12 336	7 979
1976-77	1 578	6 401	23 587	31 566	2 523	2 289	13 436	13 318
1977-78	7 158	6 160	19 858	33 176	2 460	2 561	16 040	12 115
1978-79	5 007	7 108	21 136	33 251	2 466	2 790	13 084	14 911
1979-80	8 954	5 957	17 196	32 107	2 688	2 809	15 889	10 721
1980-81	4 273	6 448	19 292	30 013	2 732	2 509	16 262	8 510
1981-82	1 585	6 925	24 803	33 313	2 831	2 322	18 447	9 713
1982-83	3 560	6 153	26 736	36 449	2 602	2 496	21 368	9 983
1983-84	2 010	7 973	26 505	36 488	3 191	2 342	21 765	9 190
1984-85	1 735	7 455	21 199	30 389	2 914	2 294	17 583	7 598
1985-86	1 080	6 518	24 252	31 850	2 958	2 583	17 725	8 584
1986-87	775	7 799	31 377	39 951	3 956	2 481	20 783	12 731
1987-88	5 007	7 724	25 950	38 681	5 128	2 733	23 515	7 305
1988-89	2 535	4 770	15 996	23 301	3 130	2 822	12 413	4 936
1989-90 <sup>4</sup>	792	4 144	24 383	29 319				

<sup>1</sup> Source: Statistics Canada.

<sup>2</sup> A residual item. Farm disappearance is computed by adding inward farm carryover and production and deducting therefrom marketings and outward farm carryover. Commercial disappearance is computed by adding inward commercial carryover and marketings and deducting therefrom outward commercial carryover and exports.

<sup>3</sup> Human food consumption in 1987-88 amounted to 2 150 000 tonnes. In 1988-89 the amount was 2 210 000 tonnes.

<sup>4</sup> Subject to revision.





**TABLE VIII**  
**CANADIAN OATS SUPPLIES AND DISPOSITION**  
**CROP YEARS 1969-70 TO 1989-90**

Crop Year	Inward Carryover <sup>1</sup> August 1st		Production	Total Supplies	Domestic Disappearance <sup>1</sup>		Exports <sup>2</sup>	Total Outward <sup>1</sup> Carryover July 31st
	Farm 000 tonnes	Commercial 000 tonnes			Farm 000 tonnes	Commercial 000 tonnes		
1969-70	1 457	527	5 473	7 457	4 603	487	79	2 288
1970-71	2 005	283	5 445	7 733	5 144	449	206	1 934
1971-72	1 406	528	5 640	7 574	5 067	523	161	1 823
1972-73	1 480	343	4 665	6 488	4 642	510	107	1 229
1973-74	1 002	227	5 070	6 299	4 573	519	13	1 194
1974-75	895	299	3 977	5 171	3 510	506	22	1 133
1975-76	741	392	4 480	5 613	3 624	477	281	1 231
1976-77	802	429	4 831	6 062	3 753	487	494	1 328
1977-78	1 033	295	4 283	5 611	3 349	497	90	1 675
1978-79	1 203	472	3 568	5 243	3 305	401	17	1 520
1979-80	1 103	417	2 879	4 399	2 961	444	103	891
1980-81	702	189	2 911	3 802	2 611	385	46	760
1981-82	610	150	3 188	3 948	2 655	387	51	855
1982-83	640	215	3 637	4 492	2 916	301	105	1 170
1983-84	995	175	2 773	3 943	2 790	335	123	695
1984-85	570	125	2 670	3 365	2 431	296	19	619
1985-86	495	124	2 736	3 355	2 306	229	44	776
1986-87	605	171	3 251	4 027	2 529	227	257	1 014
1987-88	870	144	2 995	4 009	2 606	249	287	867
1988-89	690	207	2 993	3 890	2 174	302	730	684
1989-90 <sup>4</sup>	413	271	3 549	4 233				

<sup>1</sup> Source: Statistics Canada.

<sup>2</sup> Source: Statistics Canada "Grain Trade of Canada". Includes rolled oats, oatmeal and seed oats.

<sup>3</sup> A residual item. Farm disappearance is computed by adding inward farm carryover and production and deducting therefrom marketings and outward farm carryover. Commercial disappearance is computed by adding inward commercial carryover and marketings and deducting therefrom outward commercial carryover and exports.

<sup>4</sup> Subject to revision.



**TABLE IX**  
**CANADIAN BARLEY SUPPLIES AND DISPOSITION**  
**CROP YEARS 1969-70 TO 1989-90**

Crop Year	Inward Carryover <sup>1</sup> August 1st		Production <sup>1</sup> 000 tonnes	Total Supplies 000 tonnes	Domestic Disappearance <sup>2</sup>		Exports <sup>1</sup> 000 tonnes	Total Outward <sup>1</sup> Carryover July 31st 000 tonnes
	Farm 000 tonnes	Commercial 000 tonnes			Farm 000 tonnes	Commercial 000 tonnes		
1969-70	2 972	1 325	8 084	12 381	4 602	1 391	1 923	4 465
1970-71	2 765	1 700	8 889	13 354	5 158	1 145	3 910	3 141
1971-72	1 342	1 799	13 098	16 239	6 121	1 270	5 020	3 823
1972-73	1 872	1 956	11 284	15 112	6 081	1 231	3 598	4 202
1973-74	1 915	2 287	10 218	14 420	5 576	1 531	2 776	4 537
1974-75	1 436	3 101	8 790	13 327	4 557	1 653	3 013	4 104
1975-76	1 110	2 994	9 510	13 614	4 837	1 688	4 326	2 763
1976-77	1 088	1 675	10 513	13 276	4 634	1 641	3 783	3 218
1977-78	1 132	2 086	11 802	15 020	4 582	1 690	3 540	5 208
1978-79	3 113	2 095	10 397	15 605	4 943	1 967	3 800	4 895
1979-80	3 200	1 695	8 478	13 373	5 139	2 142	4 086	2 006
1980-81	1 100	906	11 394	13 400	4 899	1 777	3 521	3 203
1981-82	1 140	2 063	13 724	16 927	5 370	1 424	6 002	4 131
1982-83	1 950	2 181	13 965	18 096	5 631	1 688	5 648	5 129
1983-84	3 225	1 904	10 209	15 338	5 656	2 174	5 537	1 971
1984-85	1 080	891	10 296	12 267	5 434	1 896	2 781	2 156
1985-86	865	1 291	12 387	14 543	5 713	1 731	3 795	3 304
1986-87	1 100	2 209	14 569	17 878	6 646	1 342	6 718	3 172
1987-88	1 570	1 602	13 957	17 129	7 273	1 555	4 594	3 707
1988-89	2 507	1 200	10 212	13 919	6 071	2 170	2 878	2 800
1989-90 <sup>3</sup>	1 075	1 725	11 672	14 472				

<sup>1</sup> Source: Statistics Canada "Grain Trade of Canada". Includes export barley and pot and pearl barley.

<sup>2</sup> A residual item. Farm disappearance is computed by adding inward farm carryover and production and deducting therefrom marketings and outward farm carryover. Commercial disappearance is computed by adding inward commercial carryover and marketings and deducting therefrom outward commercial carryover and exports.

<sup>3</sup> Subject to revision.



**TABLE X**  
**CANADIAN GRAIN STORAGE POSITION 1970 TO 1989**  
**VISIBLE STOCKS OF PRINCIPAL GRAINS AS AT JULY 31st <sup>1</sup>**

YEAR	Wheat 000 tonnes	Oats 000 tonnes	Barley 000 tonnes	Rye 000 tonnes	Flaxseed 000 tonnes	Canola 000 tonnes	U.S. and Foreign Grains 000 tonnes	Total 000 tonnes	Total Capacity <sup>2,3</sup> 000 tonnes
1970	12 682	283	1 700	151	136	79	284	15 315	19 051
1971	9 235	528	1 799	192	409	246	143	12 552	18 885
1972	7 410	344	1 956	261	255	609	206	11 041	18 318
1973	6 815	226	2 287	221	180	460	389	10 578	17 986
1974	7 884	299	3 101	203	163	247	313	12 210	17 626
1975	6 405	392	2 994	251	155	309	124	10 630	17 868
1976	6 401	429	1 675	223	330	697	142	9 897	17 518
1977	6 160	295	2 086	289	186	174	128	9 318	16 974
1978	7 108	472	2 095	212	367	291	201	10 746	16 858
1979	5 957	417	1 695	248	244	819	255	9 635	16 748
1980	6 448	189	906	279	440	1 137	349	9 748	16 631
1981	6 925	150	2 063	169	228	924	213	10 672	16 353
1982	6 154	215	2 181	231	221	621	176	9 799	16 071
1983	7 883	175	1 904	431	347	446	117	11 303	15 739
1984	7 358	125	891	326	130	105	83	9 018	15 533
1985	6 412	124	1 291	233	119	375	105	8 659	15 503
1986	7 702	171	2 209	142	207	675	39	11 145	15 281
1987	7 597	144	1 602	165	302	449	83	10 342	15 150
1988	4 668	207	1 200	159	287	491	147	7 159	14 798
1989 <sup>4</sup>	4 144	271	1 725	141	132	694	82	7 189	14 507

<sup>1</sup> Includes stocks in unlicensed mills and any stocks in licensed mills which have been transferred from elevator storage proper to mill or feed plants for processing.

<sup>2</sup> For all years the quantities indicate the capacity as at July 31st and include only licensed capacity.

<sup>3</sup> Metric tonnes expressed in wheat equivalent.

<sup>4</sup> Subject to revision.



**TABLE XI**  
**EXPORTS OF CANADIAN GRAIN AND GRAIN PRODUCTS**  
**CROP YEARS 1964-65 TO 1988-89**

Crop Year	Wheat <sup>1</sup> 000 tonnes	Flour <sup>2</sup> 000 tonnes	Oats and Oat Products 000 tonnes	Barley and Barley Products 000 tonnes	Rye 000 tonnes	Flaxseed <sup>3</sup> 000 tonnes	Canola <sup>4</sup> 000 tonnes	Corn 000 tonnes	Total 000 tonnes
1964-65	10 017	858	240	806	123	398	210	7	12 650
1965-66	14 881	1 038	246	828	204	495	309	9	18 010
1966-67	13 157	867	74	1 275	253	433	313	2	16 374
1967-68	8 473	672	55	901	121	349	279	2	10 852
1968-69	7 653	670	42	575	108	355	325	6	9 734
1969-70	8 696	734	80	1 923	97	500	504	2	12 536
1970-71	11 169	676	206	3 910	227	571	1 062	5	17 826
1971-72	13 047	673	161	5 020	273	692	966	29	20 861
1972-73	15 057	636	107	3 598	209	529	1 226	21	21 383
1973-74	10 902	543	13	2 776	116	400	1 063	5	15 818
1974-75	10 229	550	22	3 013	123	273	664	4	14 878
1975-76	11 637	699	281	4 326	299	212	820	233	18 507
1976-77	12 711	725	494	3 783	168	369	1 449	180	19 879
1977-78	15 246	794	90	3 540	271	282	1 476	323	22 022
1978-79	12 302	782	17	3 800	154	514	2 287	192	20 048
1979-80	15 215	674	103	4 086	397	475	2 420	344	23 714
1980-81	15 569	693	46	3 521	446	607	2 212	1 051	24 145
1981-82	17 973	474	51	6 002	561	481	2 040	1 281	28 863
1982-83	20 956	411	105	5 648	313	471	1 752	511	30 167
1983-84	21 285	480	122	5 536	747	629	2 460	429	31 688
1984-85	17 113	470	19	2 781	376	564	2 590	569	24 482
1985-86	17 354	372	44	3 794	276	626	2 365	490	25 321
1986-87	20 353	430	257	6 718	166	685	3 645	113	32 367
1987-88	23 173	342	286	4 594	178	605	3 447	369	32 994
1988-89 <sup>5</sup>	12 127	286	730	2 879	113	424	3 270	20	19 849

<sup>1</sup> Wheat exports include bagged Seed Wheat.

<sup>2</sup> Wheat equivalent.

<sup>3</sup> Flaxseed exports include Linseed Oil for all years and Linseed Oil and Meal from 1979-80.

<sup>4</sup> Canola exports for the years 1964-65 to 1972-73 do not include Canola Oil exports. The years 1973-74 onward include Canola Oil and Canola Meal exports.

<sup>5</sup> Subject to revision.

Source: Canadian Grain Commission "Canadian Grain Exports" for 1988-89.

All previous years – Statistics Canada "Grain Trade of Canada".



**TABLE XII**

**CANADIAN WHEAT (INCLUDING DURUM) EXPORTS BY AREAS AND COUNTRIES  
CROP YEARS 1979-80 TO 1988-89**

Country	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes	1987-88 000 tonnes	1988-89 <sup>1</sup> 000 tonnes
<b>WESTERN EUROPE:</b>										
EEC:										
Belgium and Luxembourg	12	—	16	23	10	127	100	91	336	190
Denmark	1	—	—	—	1	1	1	—	—	—
France	4	12	88	107	199	104	58	1	—	—
Germany, Federal Republic	12	1	18	1	26	3	3	21	6	11
Ireland	—	—	1	—	1	1	—	—	2	—
Italy	723	765	515	624	742	240	367	634	440	409
Malta	—	—	—	—	—	—	—	36	—	—
Netherlands	70	22	38	17	103	107	78	72	6	—
Portugal *	—	—	—	—	—	—	149	269	118	120
United Kingdom	1 361	1 409	1 366	1 109	955	633	702	503	413	410
<b>TOTAL EEC:</b>	<b>2 183</b>	<b>2 209</b>	<b>2 042</b>	<b>1 881</b>	<b>2 037</b>	<b>1 216</b>	<b>1 458</b>	<b>1 627</b>	<b>1 321</b>	<b>1 140</b>
<b>OTHER WESTERN EUROPE:</b>										
Finland	9	6	29	—	—	7	—	—	—	14
Iceland	—	—	—	—	—	—	—	—	—	3
Norway	137	10	57	70	148	62	68	89	128	70
Portugal *	43	17	—	—	—	—	—	—	—	—
Spain	—	51	—	—	—	—	—	—	—	—
Sweden	1	—	—	2	—	4	2	—	—	—
Switzerland	71	54	49	109	49	9	—	—	16	42
<b>TOTAL OTHER WESTERN EUROPE:</b>	<b>261</b>	<b>138</b>	<b>135</b>	<b>181</b>	<b>197</b>	<b>82</b>	<b>70</b>	<b>89</b>	<b>144</b>	<b>129</b>
<b>EASTERN EUROPE:</b>										
Bulgaria	—	—	—	—	—	—	216	153	40	—
Czechoslovakia	6	—	14	5	5	5	—	11	6	3
Germany, People's Rep. of	10	67	—	308	73	170	48	199	104	60
Poland	1 487	1 091	1 674	622	52	91	22	31	—	—
U.S.S.R.	2 579	3 971	5 019	6 959	6 761	6 019	5 219	5 391	4 500	2 657
Yugoslavia	127	—	—	—	—	—	—	—	—	—
<b>TOTAL EASTERN EUROPE:</b>	<b>4 209</b>	<b>5 129</b>	<b>6 707</b>	<b>7 894</b>	<b>6 891</b>	<b>6 285</b>	<b>5 505</b>	<b>5 785</b>	<b>4 650</b>	<b>2 720</b>
<b>TOTAL EUROPE:</b>	<b>6 653</b>	<b>7 476</b>	<b>8 884</b>	<b>9 956</b>	<b>9 125</b>	<b>7 583</b>	<b>7 033</b>	<b>7 501</b>	<b>6 115</b>	<b>3 989</b>
<b>AFRICA:</b>										
Algeria	598	654	590	512	813	508	492	448	764	326
Angola	—	—	—	—	—	—	—	—	8	—
Benin	1	—	—	—	—	—	—	—	—	—
Canary Islands	—	—	—	—	—	—	—	14	—	—
Chad	—	—	—	—	7	5	—	—	—	—
Djibouti	—	—	—	—	—	—	—	—	—	10
Ethiopia	51	81	45	92	49	128	93	91	230	102
Ghana	98	25	45	24	63	37	66	40	81	67
Ivory Coast	—	—	1	—	—	—	—	—	—	—
Kenya	—	—	16	—	—	39	—	2	—	—
Lesotho	—	—	—	—	—	—	—	16	—	—
Libya	28	81	291	110	93	124	174	136	96	78
Mali	—	—	—	13	—	—	—	10	—	9
Mauritania	—	2	—	4	11	11	10	—	7	—
Morocco	129	12	15	—	—	—	—	—	22	30
Mozambique	—	5	16	25	14	21	7	21	44	62
Niger	—	—	2	4	—	2	—	—	—	2
Nigeria	28	—	—	21	66	—	133	—	—	—
Rwanda	—	—	—	1	—	—	—	—	—	—
Senegal	6	8	9	13	10	9	8	21	16	7
Somalia	—	—	7	—	—	—	—	—	—	—
South Africa	—	—	—	—	—	—	55	—	33	—
Sudan	7	—	—	—	2	4	5	3	2	—
Tanzania	—	10	13	—	13	10	—	12	—	—
Togo	8	—	—	21	23	7	8	14	15	26
Tunisia	49	23	10	—	—	—	—	25	41	17
Uganda	8	—	—	9	1	—	—	6	—	—
Upper Volta	—	—	—	3	2	—	—	—	—	—
Zambia	17	—	—	—	—	12	10	16	27	14
Zimbabwe	3	—	—	—	17	17	—	11	25	14
<b>TOTAL AFRICA:</b>	<b>1 031</b>	<b>901</b>	<b>1 060</b>	<b>852</b>	<b>1 184</b>	<b>934</b>	<b>1 061</b>	<b>886</b>	<b>1 411</b>	<b>764</b>





**TABLE XII**

**CANADIAN WHEAT (INCLUDING DURUM) EXPORTS BY AREAS AND COUNTRIES (continued)**  
**CROP YEARS 1979-80 TO 1988-89**

Country	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes	1987-88 000 tonnes	1988-89 <sup>1</sup> 000 tonnes
<b>MIDDLE EAST:</b>										
Arab Rep. of Egypt	—	—	316	23	662	450	464	208	100	—
Cyprus	—	—	—	—	32	14	—	20	21	—
Iran	110	96	73	107	488	41	61	128	1 113	26
Iraq	428	453	258	280	608	367	347	691	884	784
Israel	—	—	—	—	18	99	25	95	18	—
Lebanon	75	119	91	158	—	—	6	—	—	—
Saudi Arabia	—	—	—	26	—	—	—	—	—	—
Syria	20	—	—	242	260	529	—	—	11	—
Turkey	—	—	—	—	—	—	89	—	—	—
Yemen, P.D.R.	—	6	—	24	—	108	—	—	1	3
<b>TOTAL MIDDLE EAST:</b>	<b>633</b>	<b>674</b>	<b>738</b>	<b>860</b>	<b>2 068</b>	<b>1 608</b>	<b>992</b>	<b>1 142</b>	<b>2 148</b>	<b>813</b>
<b>ASIA:</b>										
Afghanistan	21	—	—	—	—	—	—	—	—	—
Bangladesh	428	134	264	312	476	65	536	358	220	291
China, People's Rep. of	2 516	2 879	3 101	4 424	3 428	2 780	2 558	4 065	7 586	2 812
Hong Kong	37	16	9	6	13	13	9	11	10	12
India	—	40	91	7	513	5	—	—	44	—
Indonesia	24	—	32	224	201	200	333	189	189	246
Japan	1 336	1 381	1 367	1 341	1 325	1 323	1 272	1 349	1 481	1 354
Korea, Dem. People's Republic	—	—	—	—	—	—	—	20	28	—
Korea, South	—	—	—	—	6	—	472	1 173	617	38
Malaysia	10	10	—	5	—	72	9	57	61	110
Nepal	13	1	—	—	—	—	—	—	—	3
Pakistan	34	6	54	29	58	33	41	51	54	78
Philippines	27	—	—	—	—	—	21	100	32	117
Singapore	—	—	—	46	—	—	—	21	5	—
Sri Lanka	—	—	21	98	124	100	108	54	73	8
Taiwan	79	—	28	85	84	81	108	55	119	81
Thailand	—	—	—	—	—	—	—	—	17	45
<b>TOTAL ASIA:</b>	<b>4 525</b>	<b>4 467</b>	<b>4 967</b>	<b>6 577</b>	<b>6 228</b>	<b>4 672</b>	<b>5 467</b>	<b>7 503</b>	<b>10 536</b>	<b>5 195</b>
<b>WESTERN HEMISPHERE:</b>										
Barbados	4	—	5	—	2	—	—	—	—	—
Belize	—	—	—	1	—	—	—	—	—	—
Bolivia	—	—	—	—	12	—	—	20	—	12
Brazil	1 270	1 284	1 314	1 503	1 362	1 145	986	780	449	14
Chile	—	—	24	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	57	190	75	163
Costa Rica	—	—	4	—	—	—	—	—	—	—
Cuba	866	656	730	878	772	598	1 029	1 017	843	530
El Salvador	—	—	—	—	2	—	—	—	—	2
Grenada	—	—	—	—	—	—	—	—	—	2
Haiti Republic	33	37	20	—	—	25	—	—	—	—
Honduras	—	—	—	2	1	4	4	—	—	2
Jamaica	62	45	31	23	22	24	39	38	39	37
Mexico	71	27	154	189	276	—	—	258	353	—
Nicaragua	—	—	18	—	48	—	—	10	58	—
Panama	—	—	—	—	—	—	—	1	—	—
Peru	48	—	8	—	49	26	47	344	209	—
St. Christopher	—	—	—	—	—	—	—	—	—	2
St. Lucia	—	—	—	—	—	—	2	1	—	8
St. Vincent	4	—	—	—	—	—	—	—	—	7
Trinidad and Tobago	8	—	—	—	—	—	—	—	—	—
United States	—	—	—	115	63	159	274	344	369	255
Uruguay	—	—	—	—	—	—	—	46	35	—
Venezuela	4	—	15	—	69	294	320	112	532	323
<b>TOTAL WESTERN HEMISPHERE:</b>	<b>2 370</b>	<b>2 049</b>	<b>2 323</b>	<b>2 711</b>	<b>2 678</b>	<b>2 275</b>	<b>2 758</b>	<b>3 161</b>	<b>2 962</b>	<b>1 357</b>
<b>TOTAL BULK WHEAT:</b>	<b>15 212</b>	<b>15 567</b>	<b>17 972</b>	<b>20 956</b>	<b>21 283</b>	<b>17 072</b>	<b>17 311</b>	<b>20 193</b>	<b>23 172</b>	<b>12 118</b>
<b>BAGGED SEED WHEAT:</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>42</b>	<b>43</b>	<b>2</b>	<b>1</b>	<b>9</b>
<b>GRAND TOTAL:</b>	<b>15 215</b>	<b>15 569</b>	<b>17 973</b>	<b>20 957</b>	<b>21 284</b>	<b>17 114</b>	<b>17 354</b>	<b>20 195</b>	<b>23 173</b>	<b>12 127</b>

<sup>1</sup> Subject to revision.

\* Portugal joined EEC during 1985-86.

Source: Canadian Grain Commission "Canada Grain Exports" for 1988-89.

All previous years—Statistics Canada "Grain Trade of Canada".



**TABLE XIII**

**CANADIAN WHEAT FLOUR EXPORTS BY AREAS AND COUNTRIES  
CROP YEARS 1979-80 TO 1988-89**

Country	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes	1987-88 000 tonnes	1988-89 <sup>1</sup> 000 tonnes
<b>WESTERN EUROPE:</b>										
EEC	—	2	1	1	1	1	1	1	1	2
Other Western Europe	4	4	4	3	3	4	7	7	4	1
<b>TOTAL WESTERN EUROPE:</b>	<b>4</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>8</b>	<b>8</b>	<b>5</b>	<b>3</b>
<b>EASTERN EUROPE:</b>	—	248	—	—	—	—	—	—	—	8
<b>TOTAL EUROPE:</b>	<b>4</b>	<b>254</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>8</b>	<b>8</b>	<b>5</b>	<b>11</b>
<b>AFRICA:</b>										
Algeria	7	11	5	5	—	—	—	—	—	11
Others	10	5	16	17	9	39	20	2	5	61
<b>TOTAL AFRICA:</b>	<b>17</b>	<b>16</b>	<b>21</b>	<b>22</b>	<b>9</b>	<b>39</b>	<b>20</b>	<b>2</b>	<b>5</b>	<b>72</b>
<b>MIDDLE EAST:</b>										
Arab Rep. of Egypt	31	12	32	26	23	18	18	—	1	4
Jordan	8	1	20	15	2	—	—	—	3	13
Yemen, Arab Rep.	—	—	—	—	—	3	—	15	9	5
Yemen, P.D.R.	—	3	—	—	—	7	10	3	9	20
Others	18	17	37	30	27	99	102	53	66	6
<b>TOTAL MIDDLE EAST:</b>	<b>57</b>	<b>33</b>	<b>89</b>	<b>71</b>	<b>52</b>	<b>127</b>	<b>130</b>	<b>71</b>	<b>88</b>	<b>48</b>
<b>ASIA:</b>										
China, People's Rep. of	—	—	—	—	86	64	56	129	78	18
Korea, South	2	17	—	51	—	—	—	—	—	—
Singapore	—	—	—	—	—	—	12	—	—	—
Sri Lanka	3	—	—	—	—	—	—	—	—	—
Thailand	1	1	1	1	1	—	—	—	—	—
VietNam	42	—	—	—	—	—	—	—	—	—
Others	5	3	2	1	1	2	2	2	4	3
<b>TOTAL ASIA:</b>	<b>53</b>	<b>21</b>	<b>3</b>	<b>53</b>	<b>88</b>	<b>66</b>	<b>70</b>	<b>131</b>	<b>82</b>	<b>21</b>
<b>WESTERN HEMISPHERE:</b>										
Bahamas	5	4	4	5	5	5	5	5	4	4
Barbados	3	3	3	3	3	3	2	2	2	2
Bermuda	4	4	3	3	2	1	1	2	2	1
Colombia	—	—	—	—	—	—	8	—	2	11
Cuba	471	326	320	223	281	181	108	175	110	75
Haiti Republic	35	11	1	2	2	1	—	2	—	—
Jamaica	3	4	6	2	3	1	1	6	1	6
Leeward and Windward Islands	3	2	2	2	2	1	1	1	1	—
Paraguay	—	—	—	—	—	—	2	—	2	1
Trinidad and Tobago	2	3	3	2	5	4	4	4	3	2
United States	2	7	8	12	7	10	7	14	27	23
Others	13	6	6	7	16	25	5	7	8	9
<b>TOTAL WESTERN HEMISPHERE:</b>	<b>541</b>	<b>370</b>	<b>356</b>	<b>261</b>	<b>326</b>	<b>232</b>	<b>144</b>	<b>218</b>	<b>162</b>	<b>134</b>
<b>GRAND TOTAL:</b>	<b>673</b>	<b>694</b>	<b>474</b>	<b>411</b>	<b>479</b>	<b>469</b>	<b>372</b>	<b>430</b>	<b>342</b>	<b>286</b>

<sup>1</sup> Subject to revision.

Source: Statistics Canada.



**TABLE XIV**

**CANADIAN DURUM WHEAT EXPORTS BY AREAS AND COUNTRIES**  
**CROP YEARS 1979-80 TO 1988-89**

Country	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes	1987-88 000 tonnes	1988-89 <sup>1</sup> 000 tonnes
<b>WESTERN EUROPE:</b>										
EEC:										
Belgium and Luxembourg	6	—	13	—	—	36	10	14	78	52
Denmark	1	—	—	—	—	—	—	—	—	—
France	—	12	88	99	199	104	58	—	—	—
Germany, Federal Republic	—	1	18	—	17	2	—	12	3	10
Ireland	—	—	1	—	—	1	—	—	—	—
Italy	628	526	423	525	504	182	255	480	232	214
Malta	—	—	—	—	—	—	—	36	—	—
Netherlands	47	13	24	12	86	24	1	29	6	—
Portugal *	—	—	—	—	—	—	—	—	—	6
United Kingdom	7	12	5	2	2	4	8	5	9	11
<b>TOTAL EEC:</b>	<b>689</b>	<b>564</b>	<b>572</b>	<b>638</b>	<b>808</b>	<b>353</b>	<b>332</b>	<b>576</b>	<b>328</b>	<b>293</b>
<b>OTHER WESTERN EUROPE:</b>										
Finland	—	3	—	—	—	—	—	—	—	7
Norway	6	10	—	11	13	6	11	—	13	6
Portugal *	29	17	—	—	—	—	—	—	—	—
Spain	—	51	—	—	—	—	—	—	—	—
Sweden	1	—	—	1	—	3	—	—	—	—
Switzerland	21	24	27	44	16	2	—	—	—	17
<b>TOTAL OTHER WESTERN EUROPE:</b>	<b>57</b>	<b>105</b>	<b>27</b>	<b>56</b>	<b>29</b>	<b>11</b>	<b>11</b>	<b>—</b>	<b>13</b>	<b>30</b>
<b>EASTERN EUROPE:</b>										
Czechoslovakia	6	—	14	5	5	5	—	11	6	3
Germany, People's Rep. of	10	32	—	26	51	50	48	47	53	60
Poland	255	93	112	59	52	25	—	—	—	—
U.S.S.R.	254	496	860	1 204	555	533	254	498	992	714
<b>TOTAL EASTERN EUROPE:</b>	<b>525</b>	<b>621</b>	<b>986</b>	<b>1 294</b>	<b>663</b>	<b>613</b>	<b>302</b>	<b>556</b>	<b>1 051</b>	<b>777</b>
<b>TOTAL EUROPE:</b>	<b>1 271</b>	<b>1 290</b>	<b>1 585</b>	<b>1 988</b>	<b>1 500</b>	<b>977</b>	<b>645</b>	<b>1 132</b>	<b>1 392</b>	<b>1 100</b>
<b>AFRICA:</b>										
Algeria	595	654	589	512	813	508	492	423	611	326
Libya	10	24	52	47	93	103	108	136	96	78
Mauritania	—	2	—	4	8	11	10	—	7	—
Mozambique	—	—	—	—	—	—	—	—	8	—
Tunisia	38	23	—	—	—	—	—	—	41	17
<b>TOTAL AFRICA</b>	<b>643</b>	<b>703</b>	<b>641</b>	<b>563</b>	<b>914</b>	<b>622</b>	<b>610</b>	<b>559</b>	<b>763</b>	<b>421</b>
<b>MIDDLE EAST:</b>										
Cyprus	—	—	—	—	—	7	—	9	10	—
Iraq	—	—	—	—	—	52	—	—	—	—
<b>TOTAL MIDDLE EAST:</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>59</b>	<b>—</b>	<b>9</b>	<b>10</b>	<b>—</b>
<b>ASIA:</b>										
Bangladesh	5	—	—	—	—	—	—	—	—	—
China, People's Rep. of	—	—	—	—	—	—	—	—	—	15
Japan	—	48	32	77	60	61	18	79	94	118
Korea, South	—	—	—	—	—	—	—	20	53	—
<b>TOTAL ASIA:</b>	<b>5</b>	<b>48</b>	<b>32</b>	<b>77</b>	<b>60</b>	<b>61</b>	<b>18</b>	<b>99</b>	<b>147</b>	<b>133</b>
<b>WESTERN HEMISPHERE:</b>										
Costa Rica	—	—	4	—	—	—	—	—	—	—
Cuba	25	34	44	59	52	59	63	58	64	47
United States	—	—	—	—	3	—	—	62	202	186
Venezuela	4	—	4	—	16	48	49	38	175	116
<b>TOTAL WESTERN HEMISPHERE:</b>	<b>29</b>	<b>34</b>	<b>52</b>	<b>59</b>	<b>71</b>	<b>107</b>	<b>112</b>	<b>158</b>	<b>441</b>	<b>349</b>
<b>GRAND TOTAL:</b>	<b>1 948</b>	<b>2 075</b>	<b>2 310</b>	<b>2 687</b>	<b>2 545</b>	<b>1 826</b>	<b>1 385</b>	<b>1 957</b>	<b>2 753</b>	<b>2 003</b>

\* Portugal joined the EEC during 1985-86.

<sup>1</sup> Subject to revision.

Source: Canadian Grain Commission "Canada Grain Exports" for 1988-89.  
 All previous years - Statistics Canada "Grain Trade of Canada".



**TABLE XV**  
**CANADIAN BARLEY EXPORTS BY AREAS AND COUNTRIES**  
**CROP YEARS 1979-80 TO 1988-89**

Country	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes	1987-88 000 tonnes	1988-89 <sup>1</sup> 000 tonnes
<b>WESTERN EUROPE:</b>										
<b>EEC:</b>										
Belgium and Luxembourg	—	—	121	481	708	—	—	—	15	—
France	—	—	—	—	22	—	—	—	—	—
Germany, Federal Republic	53	—	—	51	20	—	—	—	—	—
Italy	582	344	417	310	126	—	—	32	—	—
Malta	9	—	—	—	—	—	—	—	—	—
Netherlands	—	1	—	—	63	—	—	—	9	—
Portugal *	—	—	—	—	—	—	58	45	21	9
Spain	—	—	235	410	102	—	—	32	—	—
United Kingdom	24	10	3	—	—	2	—	—	—	—
<b>TOTAL EEC</b>	<b>668</b>	<b>355</b>	<b>776</b>	<b>1 252</b>	<b>1 041</b>	<b>2</b>	<b>58</b>	<b>109</b>	<b>45</b>	<b>9</b>
<b>OTHER WESTERN EUROPE:</b>										
Finland	—	—	111	—	—	—	—	—	—	—
Iceland	4	3	1	—	—	—	—	—	—	—
Portugal *	—	—	—	—	5	—	—	—	—	—
<b>TOTAL OTHER WESTERN EUROPE:</b>	<b>4</b>	<b>3</b>	<b>112</b>	<b>—</b>	<b>5</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>EASTERN EUROPE:</b>										
Bulgaria	—	—	—	—	—	—	180	—	—	—
Germany, People's Rep. of	—	—	103	600	1 123	798	571	467	260	176
Poland	383	147	—	—	105	—	—	—	—	—
Romania	—	—	—	—	67	—	87	284	—	—
U.S.S.R.	872	1 573	2 780	1 526	472	410	439	2 149	208	—
<b>TOTAL EASTERN EUROPE:</b>	<b>1 255</b>	<b>1 720</b>	<b>2 883</b>	<b>2 126</b>	<b>1 767</b>	<b>1 208</b>	<b>1 277</b>	<b>2 900</b>	<b>468</b>	<b>176</b>
<b>TOTAL EUROPE:</b>	<b>1 927</b>	<b>2 078</b>	<b>3 771</b>	<b>3 378</b>	<b>2 813</b>	<b>1 210</b>	<b>1 335</b>	<b>3 009</b>	<b>513</b>	<b>185</b>
<b>AFRICA:</b>										
Algeria	138	—	36	—	—	—	—	—	1	—
Arab Republic of Egypt	—	—	—	—	—	—	—	—	32	—
Morocco	—	—	4	—	—	—	—	—	—	—
<b>TOTAL AFRICA</b>	<b>138</b>	<b>—</b>	<b>40</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>33</b>	<b>—</b>
<b>MIDDLE EAST:</b>										
Cyprus	93	—	45	61	58	—	—	69	42	—
Iran	23	—	80	92	209	—	—	—	123	63
Iraq	59	—	—	101	197	135	—	—	111	115
Israel	239	124	209	252	256	187	145	198	65	53
Jordan	23	—	—	8	—	—	—	26	—	—
Kuwait	32	—	—	—	—	—	—	—	—	—
Lebanon	43	—	15	—	—	—	—	—	3	—
Saudi Arabia	57	—	89	—	31	—	899	1 941	1 678	1 091
Syria	103	—	—	—	98	—	—	—	17	—
Turkey	—	—	—	—	188	—	—	—	—	—
<b>TOTAL MIDDLE EAST:</b>	<b>672</b>	<b>124</b>	<b>438</b>	<b>514</b>	<b>1 037</b>	<b>322</b>	<b>1 044</b>	<b>2 234</b>	<b>2 039</b>	<b>1 322</b>
<b>ASIA:</b>										
China, People's Rep. of	—	—	77	83	26	—	213	285	278	123
Japan	789	805	914	970	820	735	839	731	900	698
Korea, South	—	—	—	—	5	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	4	—
Philippines	—	—	—	—	—	—	—	13	100	—
Singapore	—	—	—	—	262	140	—	—	—	—
Taiwan	—	—	118	83	—	—	—	—	69	—
<b>TOTAL ASIA:</b>	<b>789</b>	<b>805</b>	<b>1 109</b>	<b>1 136</b>	<b>1 113</b>	<b>875</b>	<b>1 052</b>	<b>1 029</b>	<b>1 351</b>	<b>821</b>



**TABLE XV**

**CANADIAN BARLEY EXPORTS BY AREAS AND COUNTRIES (continued)**

**CROP YEARS 1979-80 TO 1988-89**

Country	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes	1987-88 000 tonnes	1988-89 <sup>1</sup> 000 tonnes
WESTERN HEMISPHERE:										
Chile	—	—	—	—	—	—	—	—	10	—
Colombia	91	47	86	101	115	—	—	90	80	40
Cuba	47	60	53	42	40	36	43	33	38	—
Ecuador	—	—	—	—	—	—	—	21	31	8
Mexico	—	—	—	22	63	83	22	—	—	22
Panama	—	—	—	—	—	—	—	—	3	—
Peru	29	11	23	16	13	—	—	—	—	6
United States	138	111	202	121	74	78	96	118	278	213
TOTAL WESTERN HEMISPHERE:	305	229	364	302	305	197	161	262	440	289
TOTAL BARLEY:	3 831	3 236	5 722	5 330	5 268	2 604	3 592	6 534	4 376	2 617
MALT (Barley Equivalent):	254	285	280	318	269	177	203	185	220	261
GRAND TOTAL:	4 085	3 521	6 002	5 648	5 537	2 781	3 795	6 719	4 596	2 878

\* Portugal joined EEC during 1985-86.

<sup>1</sup> Subject to revision.

Source: Canadian Grain Commission "Canada Grain Exports" for 1988-89.

All previous years – Statistics Canada "Grain Trade of Canada".





**TABLE XVI**  
**CANADIAN OATS EXPORTS BY AREAS AND COUNTRIES**  
**CROP YEARS 1979-80 TO 1988-89**

Country	1979-80 000 tonnes	1980-81 000 tonnes	1981-82 000 tonnes	1982-83 000 tonnes	1983-84 000 tonnes	1984-85 000 tonnes	1985-86 000 tonnes	1986-87 000 tonnes	1987-88 000 tonnes	1988-89 <sup>1</sup> 000 tonnes
<b>WESTERN EUROPE:</b>										
EEC:										
Belgium and Luxembourg	—	—	—	—	—	—	—	7	15	—
Italy	14	—	—	—	—	—	—	—	—	—
Netherlands	12	—	—	3	—	—	—	6	2	—
<b>TOTAL EEC</b>	<b>26</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>13</b>	<b>17</b>	<b>—</b>
<b>OTHER WESTERN EUROPE:</b>										
Switzerland	—	—	—	3	—	—	—	—	—	—
<b>TOTAL OTHER WESTERN EUROPE:</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>3</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>
<b>EASTERN EUROPE:</b>										
Poland	47	41	3	—	—	—	—	—	—	—
U.S.S.R.	—	—	16	—	—	—	—	—	—	28
<b>TOTAL EASTERN EUROPE:</b>	<b>47</b>	<b>41</b>	<b>19</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>28</b>
<b>TOTAL EUROPE:</b>	<b>73</b>	<b>41</b>	<b>19</b>	<b>6</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>13</b>	<b>17</b>	<b>28</b>
<b>ASIA:</b>										
Japan	—	—	—	2	3	—	3	7	9	8
<b>TOTAL ASIA:</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>2</b>	<b>3</b>	<b>—</b>	<b>3</b>	<b>7</b>	<b>9</b>	<b>8</b>
<b>WESTERN HEMISPHERE:</b>										
Cuba	26	2	11	14	1	—	—	—	4	—
United States	2	—	17	82	117	18	40	235	248	667
Venezuela	—	1	—	—	—	—	—	—	—	—
<b>TOTAL WESTERN HEMISPHERE:</b>	<b>28</b>	<b>3</b>	<b>28</b>	<b>96</b>	<b>118</b>	<b>18</b>	<b>40</b>	<b>235</b>	<b>252</b>	<b>667</b>
<b>SUB-TOTALS, ALL COUNTRIES:</b>	<b>101</b>	<b>44</b>	<b>47</b>	<b>104</b>	<b>121</b>	<b>18</b>	<b>43</b>	<b>255</b>	<b>278</b>	<b>703</b>
<b>SEED OATS:</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>3</b>	<b>15</b>
<b>OATMEAL AND ROLLED OATS</b> (Oats Equivalent):	<b>3</b>	<b>—</b>	<b>—</b>	<b>1</b>	<b>—</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>6</b>	<b>12</b>
<b>TOTALS, ALL COUNTRIES:</b>	<b>105</b>	<b>45</b>	<b>50</b>	<b>105</b>	<b>122</b>	<b>19</b>	<b>44</b>	<b>257</b>	<b>287</b>	<b>730</b>

<sup>1</sup> Subject to revision.

Source: Canadian Grain Commission "Canada Grain Exports" for 1988-89.  
All previous years — Statistics Canada "Grain Trade of Canada".



**TABLE XVII**

**OVERSEAS<sup>1</sup> CLEARANCES OF CANADIAN BULK GRAIN<sup>2</sup> BY PORT AREAS  
CROP YEARS 1968-69 TO 1988-89**

Crop Year	Atlantic Coast 000 tonnes	St. Lawrence 000 tonnes	Lakehead Direct <sup>3</sup> 000 tonnes	Churchill 000 tonnes	Pacific Coast 000 tonnes	Other <sup>4</sup> 000 tonnes
1968-69	577	2 238	316	615	4 954	8 700
1969-70	882	4 495	239	598	5 090	11 304
1970-71	818	7 681	912	637	6 660	16 708
1971-72	940	8 968	1 070	667	7 947	19 592
1972-73	942	8 653	907	638	9 036	20 176
1973-74	594	6 473	497	462	6 494	14 520
1974-75	788	6 230	816	498	5 381	13 713
1975-76	865	8 437	555	518	6 535	16 910
1976-77	792	8 144	1 050	735	7 348	18 069
1977-78	806	9 234	930	692	8 439	20 101
1978-79	575	7 946	742	495	8 303	18 061
1979-80	801	9 844	1 267	523	9 144	21 579
1980-81	730	9 638	826	289	9 547	21 030
1981-82	862	11 909	954	438	11 625	25 788
1982-83	657	14 944	782	557	11 521	28 461
1983-84	760	14 376	1 306	621	12 507	29 570
1984-85	450	9 707	1 047	437	10 617	22 258
1985-86	616	9 040	724	391	12 150	22 921
1986-87	552	11 125	1 105	558	15 966	29 306
1987-88	582	10 668	1 204	569	17 009	30 032
1988-89 <sup>4</sup>	402	3 863	497	50	11 832	16 644

<sup>1</sup> To all countries except the U.S.A.

<sup>2</sup> Wheat (excluding bagged seed wheat), oats, barley, rye, flaxseed and canola.

<sup>3</sup> Includes shipments from ports along the Great Lakes.

<sup>4</sup> Subject to revision.

Source: Canadian Grain Commission "Canadian Grain Exports" for 1988-89.

All previous years – Statistics Canada "Grain Trade of Canada".



**TABLE XVIII**  
**WHEAT PRODUCTION IN THE MAJOR PRODUCING COUNTRIES**  
**CROP YEARS 1974-75 TO 1988-89**

Crop Year	Canada 000 tonnes	Argentina 000 tonnes	Australia 000 tonnes	United States 000 tonnes	EEC <sup>1</sup> 000 tonnes	China 000 tonnes
1974-75	13 304	5 970	11 357	48 496	52 567	40 865
1975-76	17 081	8 570	11 982	57 885	44 987	45 310
1976-77	23 587	11 000	11 800	58 480	46 672	50 385
1977-78	19 858	5 300	9 370	55 670	44 312	41 075
1978-79	21 136	8 100	18 090	48 322	55 354	53 840
1979-80	17 196	8 100	16 188	58 080	53 160	62 730
1980-81	19 292	7 780	10 856	64 798	61 453	55 210
1981-82	24 803	8 300	16 360	75 805	58 006	59 640
1982-83	26 737	15 000	8 876	75 250	64 789	68 420
1983-84	26 505	13 000	21 903	65 829	64 011	81 390
1984-85	21 199	13 600	18 666	70 618	82 624	87 820
1985-86	24 252	8 700	16 167	66 001	71 248	85 810
1986-87	31 378	8 858	16 128	56 925	71 965	90 300
1987-88	25 950	8 900	12 442	57 362	71 522	87 720
1988-89 <sup>2</sup>	15 996	8 080	14 054	49 320	75 039	86 360
Crop Year	India 000 tonnes	Turkey 000 tonnes	U.S.S.R. 000 tonnes	Pakistan 000 tonnes	Others 000 tonnes	Total 000 tonnes
1974-75	21 778	11 000	83 913	7 629	66 921	363 800
1975-76	24 235	14 750	66 224	7 673	60 503	359 200
1976-77	28 846	16 500	96 882	8 691	72 157	425 000
1977-78	29 010	16 650	92 161	9 144	63 850	386 400
1978-79	31 749	16 700	120 936	8 367	68 406	451 000
1979-80	35 508	17 500	90 207	9 950	60 181	428 800
1980-81	31 564	16 600	98 182	10 805	68 760	445 300
1981-82	36 313	17 000	81 000	11 475	65 598	454 300
1982-83	37 452	17 500	84 300	11 304	72 472	482 100
1983-84	42 794	16 438	77 500	12 414	72 520	494 304
1984-85	45 476	17 235	68 600	10 882	80 880	517 600
1985-86	44 069	17 032	78 100	11 703	81 918	505 000
1986-87	46 885	19 000	92 300	13 923	87 138	534 800
1987-88	45 577	18 932	83 312	12 200	88 827	512 744
1988-89 <sup>2</sup>	45 096	18 500	84 500	12 675	93 415	503 035

<sup>1</sup> Twelve Member States.

<sup>2</sup> Preliminary – subject to revision.

Source: For Canada – Statistics Canada.

United States – "Crop Production Summary", USDA, January 1990.

For all other countries – IWC "World Wheat Statistics".



**TABLE XIX**  
**COARSE GRAIN<sup>1</sup> PRODUCTION IN THE MAJOR EXPORTING COUNTRIES -**  
**CROP YEARS 1980-81 TO 1988-89**

Country	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89 <sup>2</sup>
	(million of tonnes)								
Canada:									
Barley	11.4	13.7	14.1	10.2	10.3	12.4	14.6	14.0	10.2
Oats	2.9	3.2	3.7	2.8	2.7	2.7	3.3	3.0	3.0
Corn	5.7	6.7	6.5	5.9	7.0	7.0	5.9	7.0	5.4
Rye	0.5	0.9	0.9	0.8	0.7	0.6	0.6	0.5	0.3
Mixed Grain	1.6	1.5	1.5	1.2	1.3	1.4	1.1	1.1	0.9
<b>Total</b>	<b>25.1</b>	<b>36.0</b>	<b>36.7</b>	<b>29.9</b>	<b>32.0</b>	<b>34.5</b>	<b>35.1</b>	<b>35.7</b>	<b>29.8</b>
United States	198.3	246.6	250.7	137.1	237.7	274.9	252.8	215.9	149.6
Australia	5.2	6.7	3.9	9.4	8.6	7.9	6.8	7.2	6.7
Argentina	21.0	18.4	17.8	17.1	19.3	17.4	13.0	13.1	6.7
South Africa	15.3	8.8	4.5	5.1	9.0	8.9	7.9	7.9	12.4
Thailand	3.5	4.7	3.7	4.3	4.7	5.7	4.6	2.9	4.5
EEC-12	82.6	76.1	80.7	73.9	90.4	88.9	81.7	82.4	88.9
Eastern Europe	61.4	64.5	72.0	66.9	72.8	65.5	74.2	63.9	60.8
U.S.S.R.	80.5	72.0	91.8	101.9	90.5	100.0	105.9	113.7	97.5
Others	242.1	246.1	232.6	250.4	260.3	250.0	263.1	259.1	282.2
<b>WORLD TOTAL</b>	<b>750.0</b>	<b>880.1</b>	<b>904.1</b>	<b>687.0</b>	<b>815.3</b>	<b>864.3</b>	<b>788.1</b>	<b>789.8</b>	<b>720.0</b>

\* Based on an October-September crop year for all countries except Canada, which is the August-July crop year.

<sup>1</sup> Includes corn, barley, oats, rye, sorghum, millet and mixed grains.

<sup>2</sup> Subject to revision.

Source: USDA "World Grain Situation and Outlook", December 1989.

For all countries except Canada - "Field Crop Reporting Series No.8".



**TABLE XX**  
**WORLD COARSE GRAIN<sup>1</sup> EXPORTS \***  
**CROP YEARS 1980-81 TO 1988-89**

Country	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89 <sup>2</sup>
	(million of tonnes)								
Canada:									
Barley	3.2	5.7	5.3	5.3	2.6	3.6	6.5	4.4	2.6
Oats	—	—	0.1	0.1	—	—	0.3	0.3	0.7
Corn	1.1	1.3	0.5	0.4	0.6	0.5	0.1	0.4	—
Rye	0.4	0.5	0.3	0.7	0.4	0.3	0.2	0.2	0.1
<b>Total</b>	<b>4.7</b>	<b>7.5</b>	<b>6.2</b>	<b>6.5</b>	<b>3.6</b>	<b>4.4</b>	<b>7.1</b>	<b>5.3</b>	<b>3.4</b>
United States	69.5	58.4	54.0	55.8	55.4	36.4	47.5	53.5	61.2
Argentina	14.2	10.3	11.6	10.9	10.6	9.7	5.0	5.3	3.4
EEC <sup>3</sup>	5.6	4.0	4.2	4.3	8.5	8.1	6.7	8.5	11.8
Australia	2.3	3.1	1.0	5.5	6.4	5.0	3.1	2.5	2.2
South Africa	4.1	4.7	2.3	0.1	0.2	1.5	2.6	0.8	1.6
Thailand	2.4	3.5	2.3	3.3	3.5	4.0	2.8	0.8	1.4
Others	6.0	5.1	8.0	6.6	12.2	14.1	9.3	6.5	9.4
<b>WORLD TOTAL</b>	<b>108.8</b>	<b>96.6</b>	<b>89.6</b>	<b>93.0</b>	<b>100.4</b>	<b>83.2</b>	<b>84.1</b>	<b>83.2</b>	<b>94.4</b>

\* Based on an October-September crop year for all countries except Canada, which is the August-July crop year.

<sup>1</sup> Includes corn, barley, oats, rye, sorghum, millet and other grains.

<sup>2</sup> Subject to revision.

<sup>3</sup> Excluding intra-trade between member countries – Ten member countries through 1981-82 – Twelve members from 1982-83 forward.

Source: Canada – Canadian Grain Commission "Canadian Grain Exports" for 1988-89.

All previous years – Statistics Canada "Grain Trade of Canada", August-July crop year.

United States and other countries – USDA "World Grain Situation and Outlook", November 1989.

**TABLE XXI**  
**WORLD IMPORTS OF COARSE GRAINS<sup>1</sup> \***  
**CROP YEARS 1980-81 TO 1988-89**

Country	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89 <sup>2</sup>
	(million of tonnes)								
EEC <sup>3</sup>	11.1	8.3	14.3	12.2	9.6	5.5	3.5	4.7	3.4
Other Western Europe	10.3	12.7	1.6	1.3	1.3	1.1	1.6	1.3	1.2
Eastern Europe	10.2	6.1	4.9	3.9	3.8	5.6	3.3	4.1	5.2
U.S.S.R.	23.5	20.4	11.0	11.9	27.3	13.6	10.8	10.7	22.1
Japan	18.6	17.9	18.7	20.7	20.7	21.5	22.1	22.4	21.5
Others	35.1	31.2	39.1	43.0	37.7	35.9	42.8	40.0	41.0
<b>WORLD TOTAL</b>	<b>108.8</b>	<b>96.6</b>	<b>89.6</b>	<b>93.0</b>	<b>100.4</b>	<b>83.2</b>	<b>84.1</b>	<b>83.2</b>	<b>94.4</b>

\* Based on an October-September crop year for all countries.

<sup>1</sup> Includes corn, barley, oats, rye, sorghum, millet and other grains.

<sup>2</sup> Subject to revision.

<sup>3</sup> Ten member countries through 1981-82 – Twelve members from 1982-83 forward.

Source: USDA "World Grain Situation and Outlook", November 1989.





**TABLE XXII**

**EXPORTS OF WHEAT AND WHEAT FLOUR BY PRINCIPAL EXPORTERS  
DISTRIBUTION BY QUANTITY AND PERCENTAGE OF WORLD TRADE TOTAL  
JULY-JUNE CROP YEARS<sup>1</sup> 1969-70 TO 1988-89**

Crop Year	Argentina 000 tonnes	Australia 000 tonnes	Canada 000 tonnes	United States 000 tonnes	EEC 000 tonnes	Others 000 tonnes	Total 000 tonnes
1969-70	2 108 (4.1%)	7 250 (14.1%)	9 380 (18.3%)	16 792 (32.7%)	7 167 (13.9%)	8 695 (16.9%)	51 392 (100.0%)
1970-71	1 704 (3.1%)	9 492 (17.3%)	11 819 (21.5%)	20 140 (36.7%)	3 105 (5.7%)	8 591 (15.7%)	54 851 (100.0%)
1971-72	1 328 (2.5%)	8 736 (16.6%)	13 684 (26.1%)	16 901 (32.2%)	4 656 (8.9%)	7 191 (13.7%)	52 496 (100.0%)
1972-73	3 510 (5.2%)	5 562 (8.2%)	15 681 (23.0%)	31 734 (46.6%)	6 525 (9.6%)	5 041 (7.4%)	68 053 (100.0%)
1973-74	1 106 (1.8%)	5 509 (8.7%)	11 436 (18.1%)	31 273 (49.7%)	5 467 (8.7%)	8 184 (13.0%)	62 975 (100.0%)
1974-75	2 178 (3.5%)	8 049 (12.8%)	10 776 (17.1%)	28 304 (45.0%)	7 122 (11.3%)	6 516 (10.3%)	62 945 (100.0%)
1975-76	3 111 (4.6%)	8 072 (12.1%)	12 334 (18.4%)	31 669 (47.4%)	7 729 (11.6%)	3 953 (5.9%)	66 868 (100.0%)
1976-77	5 584 (9.0%)	8 357 (13.5%)	13 434 (21.6%)	26 080 (42.1%)	3 912 (6.3%)	4 643 (7.5%)	62 010 (100.0%)
1977-78	2 670 (3.7%)	11 144 (15.3%)	16 030 (22.1%)	31 538 (43.5%)	4 479 (6.2%)	6 677 (9.2%)	72 538 (100.0%)
1978-79	3 307 (4.6%)	7 246 (10.2%)	13 081 (18.4%)	32 311 (45.4%)	7 349 (10.3%)	7 906 (11.1%)	71 200 (100.0%)
1979-80	4 748 (5.4%)	15 364 (17.6%)	15 886 (18.1%)	37 198 (42.5%)	10 271 (11.7%)	4 063 (4.7%)	87 530 (100.0%)
1980-81	3 932 (4.2%)	11 088 (11.9%)	16 260 (17.5%)	41 936 (45.0%)	12 684 (13.6%)	7 254 (7.8%)	93 154 (100.0%)
1981-82	4 281 (4.2%)	11 405 (11.3%)	18 445 (18.3%)	48 776 (48.4%)	13 990 (13.9%)	3 984 (3.9%)	100 881 (100.0%)
1982-83	7 471 (7.7%)	8 530 (8.8%)	21 367 (22.0%)	39 939 (41.2%)	14 084 (14.5%)	5 630 (5.8%)	97 021 (100.0%)
1983-84	9 637 (9.5%)	11 554 (11.4%)	21 764 (21.4%)	38 860 (38.3%)	15 040 (14.8%)	4 642 (4.6%)	101 497 (100.0%)
1984-85	7 966 (7.8%)	15 090 (14.7%)	17 540 (17.1%)	38 092 (37.2%)	17 297 (16.9%)	6 386 (6.3%)	102 371 (100.0%)
1985-86	6 197 (7.3%)	16 014 (19.0%)	17 683 (20.9%)	25 000 (29.6%)	14 414 (17.1%)	5 148 (6.1%)	84 456 (100.0%)
1986-87	4 338 (5.1%)	14 973 (17.5%)	20 781 (24.3%)	28 418 (33.2%)	15 281 (17.8%)	1 807 (2.1%)	85 598 (100.0%)
1987-88	3 814 (3.6%)	12 215 (11.5%)	23 514 (22.2%)	43 429 (41.0%)	14 700 (13.9%)	8 128 (7.8%)	105 800 (100.0%)
1988-89 <sup>2</sup>	3 181 (3.3%)	10 805 (11.1%)	12 404 (12.8%)	37 833 (38.9%)	19 400 (20.0%)	13 577 (13.9%)	97 200 (100.0%)

<sup>1</sup> Canada: August-July.

<sup>2</sup> Preliminary – subject to revision.

Source: Statistics Canada "Grain Trade of Canada" and Canadian Grain Commission "Canadian Grain Exports". Does not include bagged seed exports.

USDA "Wheat Situation 1969-70 to 1974-75, "World Grain Situation and Outlook" 1975-76 to 1988-89.

For all other countries – IWC "World Wheat Statistics" 1987 and "Record of Operations" for 1987-88 and 1988-89.



**TABLE XXIII**

**IMPORTS OF WHEAT AND WHEAT FLOUR INTO SELECTED COUNTRIES FROM ALL SOURCES  
JULY-JUNE CROP YEARS 1969-70 TO 1988-89**

Crop Year	Algeria 000 tonnes	Arab Republic of Egypt 000 tonnes	Bangladesh 000 tonnes	Brazil 000 tonnes	China 000 tonnes	Italy 000 tonnes
1960-70	259	2 220	n/a	2 081	5 040	1 290
1970-71	646	2 835	n/a	1 855	3 660	1 440
1971-72	885	2 591	690	1 475	2 967	1 379
1972-73	645	3 040	2 176	2 950	5 289	1 211
1973-74	1 600	3 180	1 750	2 440	5 831	3 088
1974-75	1 762	3 489	2 057	1 663	5 675	1 636
1975-76	1 593	3 588	1 050	3 755	2 287	1 910
1976-77	1 338	3 956	765	3 504	3 156	2 428
1977-78	1 705	4 637	1 183	3 382	8 635	4 185
1978-79	1 006	5 541	1 221	3 739	1 969	1 242
1979-80	1 986	5 156	2 171	4 868	8 680	1 294
1980-81	1 824	6 755	659	3 855	13 775	1 914
1981-82	2 294	6 012	1 165	4 589	13 223	1 552
1982-83	2 064	6 188	1 564	3 879	12 963	1 190
1983-84	2 365	7 331	1 632	4 320	9 786	1 370
1984-85	2 164	6 819	2 189	4 934	7 429	515
1985-86	2 395	6 773	1 460	2 445	6 930	672
1986-87	2 341	7 102	1 622	2 879	8 722	1 268
1987-88	2 951	6 426	1 547	2 023	14 799	806
1988-89 <sup>1</sup>	2 130	6 960	1 920	772	13 956	788

Crop Year	Japan 000 tonnes	Netherlands 000 tonnes	Poland 000 tonnes	Republic of Korea 000 tonnes	United Kingdom 000 tonnes	U.S.S.R. 000 tonnes
1969-70	4 425	1 618	1 195	1 673	4 781	1 105
1970-71	4 834	1 310	1 972	1 752	5 359	315
1971-72	4 965	1 482	1 553	1 784	3 829	3 409
1972-73	5 486	2 049	1 000	1 736	4 535	15 000
1973-74	5 353	1 526	1 758	1 627	3 114	4 389
1974-75	5 404	1 684	1 234	1 703	2 935	2 934
1975-76	5 923	2 152	2 061	1 493	4 264	10 096
1976-77	5 522	1 401	2 885	1 832	3 422	4 559
1977-78	5 690	1 499	2 470	1 786	3 841	6 340
1978-79	5 584	1 218	2 323	1 702	1 491	5 024
1979-80	5 571	1 001	3 827	1 813	1 695	11 686
1980-81	5 930	1 055	3 877	2 072	1 380	14 911
1981-82	5 637	1 025	3 818	1 907	1 544	19 645
1982-83	5 597	579	2 899	1 804	1 119	20 140
1983-84	5 901	663	2 025	2 510	1 016	20 560
1984-85	5 748	518	2 057	3 043	716	28 156
1985-86	5 485	511	1 644	3 006	802	15 301
1986-87	5 576	265	1 865	3 919	622	15 244
1987-88	5 671	84	1 651	3 331	422	18 917
1988-89 <sup>1</sup>	5 374	101	506	2 296	464	10 318

<sup>1</sup> Preliminary – subject to revision.

Source: IWC "World Wheat Statistics" 1987 and "Record of Operations" for 1987-88 and 1988-89.



**TABLE XXIV**  
**SCHEDULE FOR CANADIAN WHEAT BOARD PAYMENTS**  
**FOR NO. 1 CANADA WESTERN RED SPRING WHEAT<sup>1</sup>**  
**BASIS IN STORE THUNDER BAY OR VANCOUVER**  
**POOL ACCOUNT YEARS 1965-66 TO 1989-90**

<b>Pool Account</b>	<b>Initial Payment \$ per tonne</b>	<b>Adjustment Payment \$ per tonne</b>	<b>Interim Payment \$ per tonne</b>	<b>Final Payment<sup>2</sup> \$ per tonne</b>	<b>Final Realized Price \$ per tonne</b>
1965-66	55.12	—	—	18.26	73.38
1966-67	55.12	—	—	17.89	73.01
1967-68	62.46	—	—	4.19	66.65
1968-69	62.46	—	—	—	62.46
1969-70	55.12	—	2.68 <sup>3</sup>	3.93 <sup>4</sup>	61.73
1970-71	55.12	—	—	6.28	61.40
1971-72	53.65	—	—	4.99	58.64
1972-73	53.65	11.02	—	14.47	79.14
1973-74	82.67	55.12	—	30.42	168.21
1974-75	82.67	55.12	—	26.60	164.39
1975-76	82.67	55.12	—	8.49	146.28
1976-77	110.23	—	—	6.92	117.15
1977-78	110.23	—	—	10.07	120.30
1978-79	110.23	18.37	—	31.93	160.53
1979-80	128.60	27.56	—	40.27	196.43
1980-81 <sup>5</sup>	156.16	40.34	—	25.62	222.12
1981-82	174.50	—	—	25.12	199.62
1982-83	174.50	—	—	17.84	192.34
1983-84	170.00	—	—	23.98	193.98
1984-85	170.00	—	—	16.37	186.37
1985-86	160.00	—	—	—	160.00
1986-87	130.00	—	—	—	130.00
1987-88	110.00	10.00	—	14.02	134.02
1988-89	150.00	20.00	15.00	12.14	197.14
1989-90	155.00	10.00			

<sup>1</sup> Base grade prior to 1971-72 was No. 1 Northern Wheat.

<sup>2</sup> Final payment and final realized price after deduction of Board operating costs, but prior to deduction of P.F.A.A. Levy for years 1965-66 through 1969-70.

<sup>3</sup> Payment from Pool Account prior to payment from Temporary Wheat Reserves Act, in 1969-70 only.

<sup>4</sup> Payment from Temporary Wheat Reserves Act.

<sup>5</sup> Crop years 1980-81 forward do not quote No. 1 CWRS 13% protein payment.



**TABLE XXV**

**SCHEDULE FOR CANADIAN WHEAT BOARD PAYMENTS  
FOR NO. 1 CANADA WESTERN AMBER DURUM  
BASIS IN STORE THUNDER BAY OR VANCOUVER  
POOL ACCOUNT YEARS 1978-79 TO 1989-90**

<b>Pool Account</b>	<b>Initial Payment \$ per tonne</b>	<b>Adjustment Payment \$ per tonne</b>	<b>Final Payment <sup>1</sup> \$ per tonne</b>	<b>Final Realized Price <sup>1</sup> \$ per tonne</b>
1978-79	110.23	18.37	20.33	148.93
1979-80	128.60	36.75	39.50	204.85
1980-81	183.72	55.28	.58	239.58
1981-82	174.50	—	25.84	200.34
1982-83	174.50	—	12.95	187.45
1983-84	165.00	15.00	24.04	204.04
1984-85	180.00	—	24.85	204.85
1985-86	160.00	—	21.30	181.30
1986-87	130.00	—	20.20	150.20
1987-88	110.00	15.00	44.36	169.36
1988-89	175.00	15.00	14.48	204.48
1989-90	150.00	10.00		

<sup>1</sup> Final payment and final realized price after deduction of Board operating costs.

**TABLE XXVI**

**SCHEDULE FOR CANADIAN WHEAT BOARD PAYMENTS  
FOR NO. 3 CANADA WESTERN OATS<sup>3</sup>  
BASIS IN STORE THUNDER BAY  
POOL ACCOUNT YEARS 1975-76 TO 1988-89**

<b>Pool Account</b>	<b>Initial Payment \$ per tonne</b>	<b>Adjustment Payment \$ per tonne</b>	<b>Final Payment <sup>1</sup> \$ per tonne</b>	<b>Final Realized Price <sup>1</sup> \$ per tonne</b>
1975-76	68.08	6.48	30.88	105.44
1976-77	74.57	—	9.58	84.15
1977-78	74.57	—	—	74.57
1978-79	74.00	—	11.41	85.41
1979-80	68.08	—	—	68.08
1980-81	68.08	20.00	37.31	125.39
1981-82	110.00	—	—	110.00
1982-83	90.00	—	9.53	99.53
1983-84	75.00	25.00	6.61	106.61
1984-85	100.00	—	12.31	112.31
1985-86	100.00	—	—	100.00
1986-87	75.00	—	18.27	93.27
1987-88	55.00	35.00 <sup>2</sup>	34.04	124.04
1988-89	160.00	—	—	160.00

<sup>1</sup> Final payment and final realized price after deduction of Board operating costs.

<sup>2</sup> Represents an adjustment of \$25.00 a tonne in October 1987 and an additional \$10.00 a tonne in April 1988.

<sup>3</sup> Base grade prior to 1988-89 was No. 1 Feed Oats.





**TABLE XXVII**

**SCHEDULE FOR CANADIAN WHEAT BOARD PAYMENTS  
FOR NO. 1 CANADA WESTERN DESIGNATED OATS  
BASIS IN STORE THUNDER BAY  
POOL ACCOUNT YEARS 1981-82 TO 1988-89**

<b>Pool Account</b>	<b>Initial Payment \$ per tonne</b>	<b>Adjustment Payment \$ per tonne</b>	<b>Final Payment <sup>1</sup> \$ per tonne</b>	<b>Final Realized Price <sup>1</sup> \$ per tonne</b>
1981-82	140.00	—	30.39	170.39
1982-83	140.00	—	10.30	150.30
1983-84	125.00	15.00	16.83	156.83
1984-85	140.00	—	20.75	160.75
1985-86	130.00	—	20.25	150.25
1986-87	130.00	—	2.58	132.58
1987-88	100.00	25.00	18.59	143.59
1988-89	195.00	—	18.90	213.90

<sup>1</sup> Final payment and final realized price after deduction of Board operating costs.

**TABLE XXVIII**

**SCHEDULE FOR CANADIAN WHEAT BOARD PAYMENTS  
FOR NO. 1 CANADA WESTERN BARLEY <sup>2</sup>  
BASIS IN STORE THUNDER BAY  
POOL ACCOUNT YEARS 1975-76 TO 1989-90**

<b>Pool Account</b>	<b>Initial Payment \$ per tonne</b>	<b>Adjustment Payment \$ per tonne</b>	<b>Final Payment <sup>1</sup> \$ per tonne</b>	<b>Final Realized Price <sup>1</sup> \$ per tonne</b>
1975-76	73.49	13.78	16.79	104.06
1976-77	80.38	—	11.12	91.50
1977-78	80.38	—	8.01	88.39
1978-79	76.00	3.67	11.41	91.08
1979-80	80.38	9.19	17.90	107.47
1980-81	124.01	6.99	15.55	146.55
1981-82	124.00	—	7.07	131.07
1982-83	110.00	—	—	110.00
1983-84	95.00	15.00	28.02	138.02
1984-85	110.00	15.00	6.30	131.30
1985-86	110.00	—	—	110.00
1986-87	80.00	—	—	80.00
1987-88	60.00	5.00	9.08	74.08
1988-89	120.00	—	4.23	124.23
1989-90	85.00	15.00	—	—

<sup>1</sup> Final payment and final realized price after deduction of Board operating costs.

<sup>2</sup> Base grade prior to 1986-87 was No. 1 Feed Barley.





**TABLE XXIX**

**DESIGNATED BARLEY SCHEDULE OF PAYMENT  
FOR CANADA WESTERN 6-ROW <sup>2</sup> BARLEY  
BASIS IN STORE THUNDER BAY  
POOL ACCOUNT YEARS 1975-76 TO 1989-90**

<b>Pool Account</b>	<b>Initial Payment \$ per tonne</b>	<b>Adjustment Payment \$ per tonne</b>	<b>Interim Payment \$ per tonne</b>	<b>Final Payment <sup>1</sup> \$ per tonne</b>	<b>Final Realized Price <sup>1</sup> \$ per tonne</b>
1975-76	75.78	13.78	—	71.42	160.98
1976-77	105.64	—	—	42.95	148.59
1977-78	98.75	—	—	8.43	107.18
1978-79	98.75	—	—	20.76	119.51
1979-80	98.75	34.45	—	34.54	167.74
1980-81	133.20	34.80	—	39.30	207.30
1981-82	158.00	—	—	27.79	185.79
1982-83	158.00	—	—	5.38	163.38
1983-84	140.00	—	—	28.09	168.09
1984-85	140.00	15.00	—	33.94	188.94
1985-86	155.00	—	—	28.39	183.39
1986-87	150.00	—	—	—	150.00
1987-88	100.00	20.00	—	23.17	143.17
1988-89	175.00	—	15.00	21.60	211.60
1989-90	100.00	55.00	—	—	—

<sup>1</sup> Final payment and final realized price after deduction of Board operating costs.

<sup>2</sup> Base grade prior to 1986-87 was No. 2 Canada Western 6-Row.



**TABLE XXX**

**EXPORT PRICES FOR THE MAJOR EXPORTING COUNTRIES  
JULY-JUNE CROP YEARS 1977-78 TO 1988-89**

Crop Year	St. Lawrence	CANADA <sup>1</sup>		UNITED STATES	
	1 CWSR 13.5% Cdn. \$ per tonne	Pacific Coast 1 CWSR 13.5% Cdn. \$ per tonne	Pacific Coast 1 CWSR 13.5% U.S. \$ per tonne	Pacific Coast DNS 14% U.S. \$ per tonne	Gulf Coast HWO U.S. \$ per tonne
1977-78	147.00	151.00	137.00	129.00	116.00
1978-79	185.00	191.00	164.00	151.00	141.00
1979-80	231.00	236.00	202.00	186.00	174.00
1980-81	264.00	272.00	230.00	210.00	182.00
1981-82	238.00	244.00	201.00	184.00	171.00
1982-83	229.00	235.00	190.00	174.00	159.00
1983-84	238.00	242.00	193.00	178.00	154.00
1984-85	237.00	252.00	188.00	170.00	148.00
1985-86	252.00	249.00	180.00	161.00	128.00
1986-87	188.00	201.00	148.00	126.00	110.00
1987-88	145.00	210.64	164.37	137.47	123.69
1988-89					
July	253.00	269.00	223.00	186.97	151.67
August	253.00	275.00	224.00	186.34	150.86
September	250.00	279.00	228.00	185.01	160.61
October	246.00	272.00	226.00	185.81	162.59
November	246.00	273.00	225.00	185.50	164.29
December	249.00	269.00	225.00	185.10	167.45
January	256.00	272.00	228.00	185.62	174.99
February	254.00	269.00	227.00	185.38	172.43
March	253.00	273.00	229.00	186.33	177.25
April	248.00	268.00	225.00	183.72	175.52
May	251.00	268.00	225.00	186.58	176.85
June	246.00	250.00	209.00	181.77	169.33
Crop Year	AUSTALIA	ARGENTINA	EEC		
	ASW U.S. \$ per tonne	Trigo Pan U.S. \$ per tonne	Standard Wheat Specified Zones U.S. \$ per tonne		
1977-78	119.00	116.00	97.00		
1978-79	142.00	132.00	133.00		
1979-80	169.00	192.00	171.00		
1980-81	181.00	204.00	170.00		
1981-82	165.00	178.00	150.00		
1982-83	164.00	148.00	132.00		
1983-84	154.00	137.00	146.00		
1984-85	150.00	125.00	131.00		
1985-86	133.00	102.00	111.00		
1986-87	110.00	84.00	83.00		
1987-88	124.75	103.00	n/a		
1988-89					
July	153.30	139.75	130.00		
August	158.00	145.00	130.00		
September	164.50	151.25	142.25		
October	169.25	150.50	149.00		
November	169.88	151.25	139.00		
December	173.20	153.00	146.33		
January	179.50	162.33	155.00		
February	176.75	151.75	144.00		
March	182.20	158.00	153.50		
April	180.50	n/a	165.00		
May	183.00	n/a	160.00		
June	177.30	n/a	n/a		

<sup>1</sup> Canadian Wheat Board official "in store" prices converted to f.o.b. at current FOBing rates - Australian Wheat Board selling price (f.o.b.) Australian Standard Wheat.  
Source: International Wheat Council and Canadian Wheat Board for 1988-89 Canadian prices.



**TABLE XXXI**

**SCHEDULE OF TOTAL NUMBER OF CANADIAN WHEAT BOARD DELIVERY PERMITS  
ISSUED TO PRODUCERS  
CROP YEARS 1963-64 TO 1988-89**

<b>Crop Year</b>	<b>Manitoba</b>	<b>Saskatchewan</b>	<b>Alberta and British Columbia</b>	<b>Total</b>
1963-64	39,471	100,202	75,206	214,879
1964-65	39,027	98,028	73,888	210,943
1965-66	38,013	95,541	71,632	205,186
1966-67	36,258	92,302	69,494	198,054
1967-68	35,107	89,761	67,189	192,057
1968-69	35,332	88,304	66,970	190,606
1969-70	35,203	88,378	66,423	190,004
1970-71	33,602	85,453	63,654	182,709
1971-72	33,124	82,876	60,886	176,886
1972-73	31,963	80,706	58,943	171,612
1973-74	31,042	78,775	56,654	166,471
1974-75	29,348	77,098	53,262	159,708
1975-76	29,326	76,101	52,689	158,116
1976-77	28,579	75,440	52,638	156,657
1977-78	28,283	74,630	50,834	153,747
1978-79	27,545	73,803	50,199	151,547
1979-80	26,366	72,400	48,891	147,657
1980-81	25,784	71,400	48,464	145,648
1981-82	25,829	71,533	48,655	146,017
1982-83	25,741	71,404	48,588	145,733
1983-84	25,586	71,505	48,378	145,469
1984-85	25,180	70,778	47,605	143,563
1985-86	24,914	70,679	47,730	143,323
1986-87	24,600	70,785	48,043	143,428
1987-88	25,271	70,686	48,280	144,237
1988-89	24,810	70,014	48,417	143,241













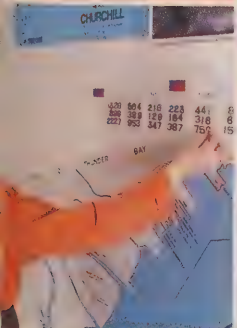
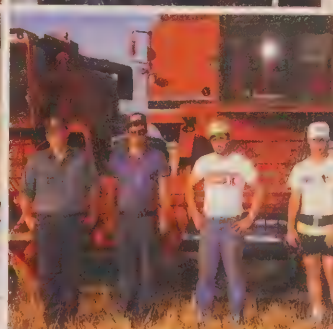
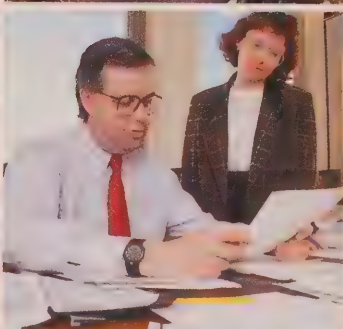
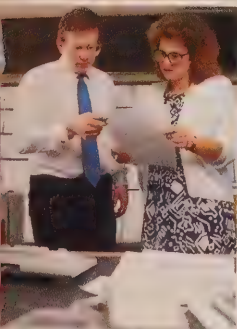


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# The Canadian Wheat Board ANNUAL REPORT 1989/90







#### THE NEW BOARD

**Seated** (left to right): Lorne F. Hehn (Chief Commissioner), Forrest M. Hetland (Assistant Chief Commissioner)

**Back row** (left to right): Richard H. Klassen (Commissioner), Gordon P. Machej (Commissioner), William H. Smith (Commissioner)



# **THE CANADIAN WHEAT BOARD**

**ANNUAL REPORT  
1989-90**



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Copies of this Annual Report are available in French upon request.

### Members of the Board

L. F. Hehn .....	Chief Commissioner
F. M. Hetland .....	Assistant Chief Commissioner
W. H. Smith .....	Commissioner
R. H. Klassen .....	Commissioner
G. P. Machej .....	Commissioner

### Executive Officers

David Olfert .....	Executive Director – Finance and Treasurer
R. A. Hamilton .....	Executive Director – Marketing
B. T. Oleson .....	Executive Director - Planning and Communication
L. C. Evans .....	Corporate Secretary

### Canadian Offices

Winnipeg, Manitoba .....	Head Office
Vancouver, British Columbia .....	G. N. Hedalen, Manager
Montreal, Quebec .....	F. H. Reid, Manager

### Overseas Offices

Tokyo, Japan .....	T. Ono, Manager
--------------------	-----------------



Honourable Charles Mayer  
Minister of State,  
Grains and Oilseeds  
Ottawa, Ontario

Winnipeg, Manitoba  
March 31, 1991

Sir:

We are pleased to submit the Annual Report of the Canadian Wheat Board for the crop year ending July 31, 1990, as required by the Canadian Wheat Board Act.

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## PART I THE INTERNATIONAL GRAIN MARKET

### INTRODUCTION

Boosted in part by the large grain crop in Canada and the United States, global production of wheat and coarse grains rebounded in 1989 from the low levels registered in 1988. In 1989-90 world trade in wheat was somewhat lower than the year before, but trade in coarse grains reached the highest level since 1980-81, surpassing the amount of wheat traded for the first time in eight years. Despite the higher levels of production, world carryover stocks remained tight as a result of increased utilization. World carryover stocks of coarse grains dropped, while wheat stocks increased marginally. Nevertheless, in spite of tighter world supplies – judged to be historically low relative to the level of demand – grain prices finished lower in 1989-90.

The drought of 1988 continued to influence grain prices early in 1989-90; however, world grain prices weakened after mid-season on expectation of larger 1990 crops in the major importing and exporting countries. The expectation that competition between exporting countries would remain vigorous and stem any recovery in prices contributed to the sharp price decline in the last months of the 1989-90 season.

The market was also affected by the larger volumes of grain traded at subsidized prices. Aggressive use of export



subsidies by the European Community (EC) and the United States resulted in downward pressure on prices. Export subsidies, which were at comparatively low levels throughout most of 1989 and the early months of 1990, increased considerably as competition intensified and international grain prices softened.

### WHEAT

#### Production

World production in 1989 was a record 542.6 million tonnes, a 7.5 per cent increase over the previous year's level of 504.8 million tonnes. Good weather conditions favoured production in most of the major producing areas, including Canada, Western Europe, China, and the U.S.S.R.

Except for Australia, production in the leading exporting countries increased in 1989. The largest increase, however, was posted by Canada. Canadian wheat production in 1989 rebounded to 24.6 million tonnes, a 54 per cent increase over the drought-reduced crop of 1988. Spring and winter wheat production of 23.3 and 1.34 million tonnes, respectively, was achieved on a total seeded area that was five per cent greater than in 1988. U.S. production in 1989 recovered to 55.4 million tonnes, up from 49.3 million tonnes in 1988, despite some adverse weather conditions experienced during the growing season. The







**TABLE 1**  
**WORLD WHEAT PRODUCTION**

	1989 <sup>1</sup>	1988
	(million tonnes)	
<b>EUROPE</b>	<b>126.1</b>	<b>122.1</b>
EC-12	78.6	74.6
Others	47.5	47.5
<b>U.S.S.R.</b>	<b>92.3</b>	<b>84.4</b>
<b>NORTH &amp; CENTRAL AMERICA</b>	<b>83.8</b>	<b>68.6</b>
U.S.A.	55.4	49.3
Canada	24.6	16.0
Others	3.8	3.3
<b>SOUTH AMERICA</b>	<b>19.3</b>	<b>16.9</b>
Argentina	10.8	8.4
Brazil	5.6	5.8
Others	2.9	2.7
<b>ASIA</b>	<b>166.2</b>	<b>151.7</b>
China	91.0	85.4
India	54.0	46.2
Others	21.2	20.1
<b>MIDDLE EAST</b>	<b>28.2</b>	<b>33.7</b>
Iran	7.0	6.5
Saudi Arabia	3.2	3.2
Turkey	16.2	20.5
Others	1.8	3.5
<b>AFRICA</b>	<b>12.4</b>	<b>13.2</b>
Algeria	.9	.6
Egypt, Arab Republic of	3.2	2.8
Morocco	3.9	4.0
South Africa	2.0	3.5
Others	2.4	2.3
<b>OCEANIA</b>	<b>14.3</b>	<b>14.3</b>
Australia	14.1	14.1
Others	.2	.2
<b>WORLD TOTAL <sup>2</sup></b>	<b>542.6</b>	<b>504.8</b>

<sup>1</sup> Preliminary: Subject to Revision.

<sup>2</sup> Totals may not add due to rounding.

Source: For Canada – Statistics Canada.

For all other countries – IWC Market Report, December 1990.

yields. The result was a total wheat crop of 78.6 million tonnes, the second-largest on record.

Production in China increased 6.6 per cent, to a record level of 91 million tonnes in 1989. The world's single largest producer of wheat, the U.S.S.R., also benefited from better weather to boost its production to 92.3 million tonnes, well above the average for the 1980s. Substantially smaller than normal wheat crops were harvested in parts of the Middle East and North Africa due to drought. Particularly affected was Turkey's production, which fell 21 per cent, shifting Turkey from a net exporter to a net importer in 1989-90. Below normal wheat crops were also experienced in Syria, Iraq, Tunisia, and Algeria.

## Trade

World trade in wheat and wheat flour dropped to 93.7 million tonnes during 1989-90 from 96.5 million in the preceding year, and was considerably lower than the 1987-88 record of 105.7 million tonnes. Canadian wheat exports recovered significantly to 17.4 million tonnes, up 40 per cent, from the drought-reduced export levels of 1988-89. Although Canada's exports lagged in the first half of the crop year, movement was up sharply in the second half and finished three million tonnes above the 1988-89 level. Argentina also registered a recovery in sales. Of the five major exporters, only the U.S. suffered a marked drop in exports. This reflected tight domestic supplies and increased competition. U.S. exports fell 15 per cent in 1989-90 to 33.5 million tonnes and, consequently, the U.S. share of the world market declined from 40.6 per cent in 1988-89 to 35.7 per cent. EC exports of 18.9 million tonnes were only slightly below the 1988-89 record.



U.S. output gain was registered because of an increase in seeded area. This more than offset a bout of winterkill and the negative impact of a serious drought in the hard red winter wheat area of Kansas and Oklahoma. The EC expanded production in 1989, as area was shifted from oilseeds into wheat, and as favourable weather boosted



**TABLE 2**  
**EXPORTS OF WHEAT AND WHEAT FLOUR**  
**BY PRINCIPAL EXPORTERS**

	1989-90 <sup>1</sup> (million tonnes)	1988-89
Argentina	5.2	3.4
Australia	10.9	10.8
Canada	17.4	12.4
United States	33.5	39.2
EC-12	18.9	19.4
Others	7.8	11.3
<b>WORLD TOTAL</b>	<b>93.7</b>	<b>96.5</b>

<sup>1</sup> Preliminary: Subject to Revision.

Source: For Canada – Statistics Canada and Canadian Grain Commission  
(August-July crop year).  
For all other countries – IWC Market Report, December 1990  
(July-June crop year).

In 1989-90, a small shift in the regional pattern of trade was seen. Wheat imports by Far East countries, mainly China, India, and Bangladesh, fell sharply. Exports to China fell to 13.3 million tonnes in 1989-90 from the record volume of 15.9 million tonnes a year earlier due to increased Chinese production. However, this drop in imports was more than offset by increased demand in some Near East Asian countries. Iranian imports edged up to 5.2 million tonnes, making it the world's fourth-leading importer. Turkey emerged as a substantial net importer. Soviet wheat imports in 1989-90 declined only slightly, to 14.5 million tonnes. Western and Eastern European imports were down slightly from the year before.



## Carryover Stocks

The 1989-90 season ended with world wheat stocks of 106.4 million tonnes, up slightly from 105.9 million tonnes a year earlier. Despite record production in 1989, increased utilization prevented a significant buildup of stocks. World wheat stocks remained steady at 22.1 per cent of utilization, an identical figure to last year and the lowest ratio of ending stocks to utilization since 1974-75.

**TABLE 3**  
**WORLD WHEAT CARRYOVER STOCKS**

	1990 <sup>1</sup> (million tonnes)	1989
<b>EUROPE (including U.S.S.R.)</b>	<b>34.9</b>	<b>31.9</b>
EC-12 <sup>2</sup>	14.9	13.2
Others	20.0	18.7
<b>NORTH &amp; CENTRAL AMERICA</b>	<b>21.7</b>	<b>24.6</b>
U.S.A.	14.6	19.1
Canada	6.4	5.0
Others	.7	.5
<b>SOUTH AMERICA</b>	<b>4.1</b>	<b>4.6</b>
Brazil	3.2	3.3
Argentina	.5	.5
Others	.4	.8
<b>ASIA</b>	<b>35.2</b>	<b>34.0</b>
China	20.0	21.3
India	9.0	7.0
Others	6.2	5.7
<b>MIDDLE EAST</b>	<b>5.4</b>	<b>5.4</b>
Turkey	1.4	1.5
Others	4.0	3.9
<b>AFRICA</b>	<b>2.5</b>	<b>2.8</b>
Algeria	.1	.1
Egypt, Arab Republic of	1.0	1.0
Morocco	.1	.6
South Africa	.4	.2
Others	.9	.9
<b>OCEANIA</b>	<b>2.6</b>	<b>2.6</b>
Australia	2.6	2.6
Others	—	—
<b>WORLD TOTAL</b>	<b>106.4</b>	<b>105.9</b>

<sup>1</sup> Preliminary: Subject to Revision.

<sup>2</sup> 1990 includes former German Dem. Republic.

Source: International Wheat Council.



Carryover stocks in the major exporting countries fell 1.4 million tonnes to 39 million tonnes. The largest drop occurred in the U.S., where increased food and feed usage caused a draw-down of wheat stocks by a substantial 4.5 million tonnes, to their lowest levels in 15 years. The European Community and Canada experienced a slight increase in stocks, while stocks in Australia and Argentina remained unchanged from the previous season.

In the other areas of the world, wheat stocks remained largely unchanged or rose only modestly. The only exception was India, where carryover stocks increased 29 per cent to 9.0 million tonnes.

## Price

World wheat prices started on a firm footing in the 1989-90 season, because of drought-reduced 1988 supplies and the expectation of a smaller U.S. crop. F.o.b. prices for hard red winter wheats, excluding export subsidies, were quoted in the range of US\$164-\$170 a tonne (Gulf). This was somewhat higher than the prevailing price at the start of the 1988-89 season. But weak demand, attributed mainly to the absence of the Soviet Union from the U.S. wheat market, caused steady prices in the first half of the crop year. Quoted prices remained steady through to December. Thereafter, wheat prices began a sharp decline on prospects of a large 1990 U.S. crop and lower exports, particularly to the U.S.S.R. and China. Unsold stocks of old-crop wheat also served to pressure prices. Prices fell steadily to about US\$128 per tonne f.o.b. Gulf for hard red winter by July 1990, and to US\$116 per tonne by October.

During the 1989-90 crop year, the market was witness to a number of price anomalies. A large supply of better-than-average quality crops in the U.S. narrowed the protein premium between dark northern spring wheat (DNS) and hard red winter wheat. At times, an unusual pricing scenario developed, whereby the high-protein DNS wheat sold at a discount to hard red winter.

Aggressive use of export subsidies by the European Community and the United States also lowered market returns. Up to 33 per cent of all 1989-90 U.S. wheat exports (June to May; not including wheat flour) were made with the assistance of the U.S. Export Enhancement Program (EEP), including large amounts to China, the U.S.S.R., and Egypt. The EEP subsidies ranged from US\$2.20 to \$34.13 per tonne, averaging \$14.39 per tonne in 1989-90. The European Community's export subsidies, were increased from US\$43-\$47 per tonne in July 1989 to \$110-\$115 per tonne by the end of June 1990, as international prices declined.

## DURUM

### Production

World durum production surged 17 per cent in 1989 to 24.7 million tonnes. Substantially increased output in North America was partially offset by drought in some Mediterranean and Middle Eastern countries. Canada's durum wheat output rose to 4.1 million tonnes from 2.0 million in 1988. The U.S. durum harvest more than doubled to 2.5 million tonnes from the 1988 total of 1.2 million tonnes.







**TABLE 4**  
**WORLD DURUM PRODUCTION**

	1989 <sup>1</sup> (thousand tonnes)	1988
<b>WESTERN EUROPE</b>	<b>6 083</b>	<b>6 774</b>
Austria	40	40
EC-12	6 023	6 714
France	1 346	1 167
Greece	1 130	1 160
Italy	3 066	3 924
Portugal	48	32
Spain	343	341
<b>NORTH AMERICA</b>	<b>6 758</b>	<b>3 349</b>
Canada	4 098	1 979
U.S.A.	2 510	1 220
<b>SOUTH AMERICA</b>	<b>135</b>	<b>152</b>
Argentina	65	82
<b>MIDDLE EAST</b>	<b>6 400</b>	<b>5 870</b>
Syria	600	1 350
Turkey	5 500	4 000
<b>NORTH AFRICA</b>	<b>2 810</b>	<b>2 468</b>
Algeria	570	415
Morocco	1 767	1 766
Tunisia	333	167
<b>OTHERS</b>	<b>2 500</b>	<b>2 500</b>
<b>WORLD TOTAL</b>	<b>24 686</b>	<b>21 113</b>

<sup>1</sup> Preliminary: Subject to Revision.

Source: Statistics Canada for Canadian figures.

For all other countries – International Wheat Council.

A drought in the Mediterranean region cut Italian durum production, reducing the EC durum harvest to just over six million tonnes from 6.7 million in 1988. Adverse weather also reduced output sharply in Syria. Tunisia and Algeria harvested below-normal durum crops for the second year in a row.

## Trade

World durum demand remained strong in 1989-90, bolstered by only modest price premiums over other types of wheat. Strong imports, particularly from the U.S.S.R. and Algeria, resulted in a climb in world trade volume to 5.3



**TABLE 5**  
**EXPORTS OF DURUM BY PRINCIPAL EXPORTERS**

	1989-90 <sup>1 &amp; 2</sup> (thousand tonnes)	1988-89
Canada	2 838	2 003
EC-12 <sup>3</sup>	800	1 588
U.S.A.	1 509	510
Others	103	470
<b>WORLD TOTAL</b>	<b>5 250</b>	<b>4 571</b>

<sup>1</sup> Preliminary: Subject to Revision.

<sup>2</sup> July-June crop year except for Canada which is an August-July crop year.

<sup>3</sup> Excluding EC-12 intra-trade.

Source: For Canada – Statistics Canada "Grain Trade of Canada" and Canadian Grain Commission "Canadian Grain Exports".

For all other countries – IWC Market Report, December 1990.

million tonnes. The world's largest buyer of durum, Algeria, imported 1.8 million tonnes of durum wheat in 1989-90. Imports by the U.S.S.R. were also substantial at 1.1 million tonnes, partly in response to drought-reduced yields in the U.S.S.R.'s main durum producing region.

Canada was the largest exporter of durum wheat, accounting for over half of world trade. Exports of Canadian durum in 1989-90 were a record 2.8 million tonnes. U.S. durum exports recovered to 1.5 million tonnes in 1989-90, while EC exports fell by almost 50 per cent because of restricted supplies.

## Carryover

Buoyant demand for durum wheat led to a drop in the combined carryover stocks of the three major exporters



**TABLE 6**  
**WORLD DURUM CARRYOVER STOCKS**  
**IN MAJOR EXPORTING COUNTRIES**

	1989-90 <sup>1</sup>	1988-89
	(thousand tonnes)	
Canada (August-July)	1 257	826
EC-12 (July-June)	1 200	1 500
U.S.A. (June-May)	1 400	1 600
<b>WORLD TOTAL</b>	<b>3 857</b>	<b>3 926</b>

<sup>1</sup> Preliminary: Subject to Revision.

Source: IWC Market Report, December 1990, for the EC-12 and U.S.A.  
Statistics Canada for Canadian figures.

(Canada, the United States, and the EC), which fell to 3.85 million tonnes at the end of 1989-90.

Despite substantial production gains in 1989, Canadian durum stocks rose only moderately as a result of record exports and a considerable marketing effort by the Canadian Wheat Board. Canadian ending stocks of durum finished at 1.25 million tonnes in 1989-90. The U.S. managed to reduce its ending stocks of durum 12.5 per cent to 1.4 million tonnes, due primarily to an increase in exports. The EC also reduced their stocks from 1988-89 levels.

## Price

Durum prices plunged in the spring and summer of 1989 as a result of the much-improved outlook for the 1990 crop.

Plentiful supplies from the U.S. and Canada, the major durum exporters, pressured world durum prices to trade at a discount or only a modest premium to milling wheat prices through most of 1989-90. Export price quotations began the crop year at about US\$155 per tonne f.o.b. St. Lawrence, nearly \$20 a tonne lower than in the early spring. Following the general downward trend of wheat prices after mid-season, durum prices declined to US\$120 per tonne f.o.b. St. Lawrence by the close of the crop year. Increased export subsidy activity following the outlook for large crops in 1990 also pressured prices.

Durum traded at a discount to dark northern spring wheat for the greater part of the first half of the crop year. A premium relative to spring wheat developed by March 1990 as export demand strengthened.

## COARSE GRAINS

### Production

World coarse grain production in 1989 was estimated at 805.2 million tonnes, well above the drought-affected level of 725 million tonnes produced in 1988. This was an 11.1 per cent increase from the preceding season, and the highest level of production since 1986.

The United States accounted for most of the increase, as a result of the much-larger corn crop of 191.2 million tonnes. Production of other U.S. feed grains also recovered: sorghum output increased to 15.7 million tonnes from 14.6 million in 1988, and barley to 8.8 million from 6.3 million. Canadian coarse grain production surged to 23.5







**TABLE 7**  
**WORLD PRODUCTION OF COARSE GRAINS**

	1989 <sup>1</sup>	1988
	(million tonnes)	
<b>WESTERN EUROPE</b>	<b>95.2</b>	<b>100.1</b>
EC-12	82.8	89.1
Denmark	5.6	6.0
France	25.2	26.9
Germany, Fed. Republic of	15.0	15.1
Italy	8.5	8.4
Spain	13.6	16.8
United Kingdom	8.7	9.4
Other EC-12	6.2	6.5
Sweden	3.8	3.5
Others	8.6	7.7
<b>EASTERN EUROPE</b>	<b>69.8</b>	<b>62.5</b>
German Dem. Republic	7.4	6.2
Hungary	8.6	7.9
Poland	18.5	16.9
Romania	14.4	13.3
Yugoslavia	10.4	8.7
Others	10.5	9.5
<b>U.S.S.R.</b>	<b>105.1</b>	<b>97.7</b>
<b>NORTH &amp; CENTRAL AMERICA</b>	<b>262.5</b>	<b>186.7</b>
Canada	23.5	19.7
Mexico	14.1	13.8
U.S.A.	221.4	149.7
Others	3.5	3.5
<b>SOUTH AMERICA</b>	<b>37.9</b>	<b>42.3</b>
Argentina	8.3	6.7
Brazil	21.9	27.3
Others	7.7	8.3
<b>ASIA</b>	<b>164.5</b>	<b>165.2</b>
China	95.2	94.9
India	32.1	26.4
Indonesia	4.8	5.2
Thailand	4.5	4.4
Turkey	6.9	10.1
Others	21.0	24.2
<b>AFRICA</b>	<b>62.6</b>	<b>63.0</b>
Egypt, Arab Republic of	5.3	5.0
Nigeria	8.1	8.5
South Africa	9.9	13.0
Tanzania	4.1	3.3
Others	35.2	33.2
<b>OCEANIA</b>	<b>7.6</b>	<b>7.5</b>
Australia	7.1	6.9
Others	.5	.6
<b>WORLD TOTAL</b>	<b>805.2</b>	<b>725.9</b>

<sup>1</sup> Preliminary: Subject to Revision.

Source: For Canada — Statistics Canada.

For all other countries — IWC Market Report, December 1990.



million tonnes, which is a 19 per cent increase over 1988 levels. Argentina's coarse grain production increased nearly 24 per cent, recovering from the drought of last season. Australia's coarse grain production also rose, but only 200 000 tonnes from 6.9 million in 1988. A larger barley crop was the main reason. On the other hand, the European Community suffered a 6.3-million-tonne decline in 1989 coarse grain production, down from 89.1 million tonnes in 1988. This was the result of lower plantings in member countries, and dry conditions which depressed yields in France and Spain, the two largest coarse grain producers in the EC.

## Trade

World coarse grain trade rose to 101.7 million tonnes in 1989-90, the highest level since 1980-81, when record shipments of 108.3 million tonnes were recorded. Trade in coarse grains exceeded the amount of wheat traded for the first time in eight years.

The growth in world coarse grains trade was led by U.S. corn exports, which increased some 8.6 million tonnes over the previous year, to 60.1 million tonnes. Canadian and South African shipments also increased, but poor growing conditions reduced European Community exports.

Large Soviet purchases of over 23 million tonnes played a key role in helping to raise global trade in coarse grains. A large increase in imports occurred in the Far East, particularly in Japan, Korea, and Taiwan, where livestock feed output continued to rise. Unusually large purchases were made by Mexico, reflecting a poor coarse grain crop and pent-up demand. Smaller import gains were registered in Turkey and Iraq.



**TABLE 8**  
**EXPORTS OF COARSE GRAINS**  
**BY PRINCIPAL EXPORTERS**

	1989-90 <sup>1</sup> (million tonnes)	1988-89
Argentina	4.0	4.7
Australia	2.7	2.1
Canada	5.1	3.5
China	3.3	4.8
EC-12	9.8	11.4
South Africa	3.5	1.1
Thailand	1.3	1.7
U.S.A.	66.8	62.7
Others	5.2	5.7
<b>WORLD TOTAL</b>	<b>101.7</b>	<b>97.7</b>

<sup>1</sup> Preliminary: Subject to Revision.

Source: For Canada – Statistics Canada (August-July) and Canadian Grain Commission.

For all other countries – IWC Market Report, December 1990.



## Price

As the 1989-90 season began, coarse grain prices were pressured by increased 1989 corn production in the U.S. After a post-harvest drop in corn prices, quotations for the benchmark U.S. No. 3 Yellow Corn traded in a relatively narrow range of US\$104-\$110 until December. Thereafter, export prices at the Gulf strengthened to a peak of US\$125 in May on strong demand from the U.S.S.R. and Mexico. But coarse grain prices drifted lower toward the end of the season, with U.S. No. 3 Yellow Corn on offer in September at US\$100, due to prospects for another good crop in 1990. Feed grain prices after mid-year were also pressured by low feed wheat prices. The benchmark price of most feed grains ended approximately five to 15 per cent lower than at the end of the 1988-89 season, despite historically low stocks.

## Carryover

World coarse grain production reached 805.2 million tonnes in 1989-90. However, world demand exceeded production for the third year in a row. This resulted in a further decline in world carryover stocks. World ending stocks fell 25.1 million tonnes to just over 121 million tonnes, the lowest level since 1983-84. Increased utilization resulted in a drop in the stocks-to-use ratio to 14.7 per cent, compared to 18.4 per cent the previous year.



## BARLEY

### Production

In 1989, world barley production remained unchanged from the 169.6 million tonnes harvested in 1988, but well below the 1987 output of 182.6 million tonnes. Increases in North American and Soviet barley production were offset by decreases in Western Europe and the Middle East.

In the U.S., 8.8 million tonnes of barley were harvested in 1989. In Canada, production rose 18 per cent to 11.7 million tonnes on higher planted acreage and increased yields. Improved yields also led to a good barley crop in the U.S.S.R. The combination of hot and dry weather, and



**TABLE 9**  
**WORLD BARLEY PRODUCTION**

	1989 <sup>1</sup> (million tonnes)	1988
Australia	4.1	3.3
Canada	11.7	10.2
China	5.7	6.3
Eastern Europe <sup>2</sup>	18.2	16.6
EC-12	46.5	50.6
U.S.A.	8.8	6.3
U.S.S.R.	48.5	44.5
Others	26.1	31.8
<b>WORLD TOTAL</b>	<b>169.6</b>	<b>169.6</b>

<sup>1</sup> Preliminary: Subject to Revision.

<sup>2</sup> Excludes Yugoslavia.

Source: For Canada – Statistics Canada.

For all other countries – IWC Market Report, December 1990.

reductions in the area planted, took their toll on EC barley output. The EC, which in 1988 was the world's largest barley producer with 50.6 million tonnes, produced only 46.5 million tonnes in 1989. This dropped the EC to second place behind the U.S.S.R. Australian gains in barley production were achieved on a slight increase in area and record yields.

**TABLE 10**  
**EXPORTS OF BARLEY**  
**BY PRINCIPAL EXPORTERS**

	1989-90 <sup>1</sup> (million tonnes)	1988-89
Australia	2.1	1.5
Canada	4.2	2.6
EC-12	7.8	9.6
U.S.A.	2.1	1.6
Others	1.4	.8
<b>WORLD TOTAL</b>	<b>17.6</b>	<b>16.1</b>

<sup>1</sup> Preliminary: Subject to Revision.

Source: For Canada – Statistics Canada and Canadian Grain Commission.

For all other countries – IWC Market Report, December 1990.

## Trade

World barley trade in 1989-90 at 17.6 million tonnes was sharply higher than the 16.1 million traded the previous year. Despite a reduced crop, the EC was once again the dominant supplier of barley with shipments totaling 7.8 million tonnes. However, Canada and the U.S. took advantage of a poor crop in the EC to increase their exports of barley. Canadian barley exports, at 4.2 million tonnes, were 62 per cent higher than in the preceding year, making Canada the second largest exporter in the world.

Most of the growth in barley trade was accounted for by record U.S.S.R. purchases of 4.3 million tonnes. The decrease in imports by Saudi Arabia (3.8 million tonnes in 1989-90 versus 4.4 million tonnes in 1988-89) was more than offset by large imports from Iran, Iraq, and Turkey.

Strong world demand for feed barley reduced ending stocks by about 4.7 million tonnes to 24.9 million tonnes in 1989-90.

## Price

Barley prices in Europe and the United States declined sharply throughout the summer of 1989, due primarily to sluggish export demand and the potential of larger crops in North America. U.K. f.o.b. barley prices (before deducting export subsidies) averaged US\$136 per tonne in April 1989, but had moved down to US\$114 per tonne by the fall for November 1989 delivery. Similarly, prices for No. 2 U.S. barley f.o.b. Pacific Northwest ports, which averaged US\$133 per tonne in April 1989, slid steadily to about US\$112 per tonne in October. However, the drop in EC barley production, combined with an increase in demand, bolstered prices in November. This upward trend continued until January, when prices peaked in the US\$130-\$135-per-tonne range. Prices softened slightly throughout the spring months, then plummeted in the summer because of extremely low wheat prices. By August 1990, U.K. barley prices had fallen below US\$100 per tonne.

During 1989-90, U.S. EEP bonuses on barley averaged about US\$13 per tonne, compared with US\$11 per tonne in 1988-89. EC export subsidies ranged from US\$60 to \$115 per tonne and averaged US\$95 per tonne in 1989-90, versus US\$87 per tonne in 1988-89.





## RICE

Over 90 per cent of the world's food supply comes from the land. Of this, cereal grains account for about three-quarters. Wheat is the biggest cereal grain for direct human consumption but rice is another important staple.

Average utilization in rice is over 300 million tonnes per year. Most of this is produced and consumed in Far East countries and therefore traded volumes are small.

It is interesting to note that per capita rice consumption has been declining in Far East countries in the last 20 years. Meanwhile, wheat consumption has been on the rise.

These changes are probably related to improved per capita income and urbanization. Urbanization increases demand for convenience foods, such as wheat products. Increases in per capita income often go hand in hand with higher per capita consumption of wheat. This bodes well for the future of wheat in these markets.



## PART II SALES OF CANADIAN GRAIN

### WHEAT AND WHEAT PRODUCTS

Exports of Canadian wheat and wheat products rose to 17.4 million tonnes in 1989-90. This was about five million tonnes more than the year before, when exports dropped sharply because of drought.

The improved export supply situation enabled the Wheat Board to broaden its base of customers. In total, Canadian wheat (including durum) was sold to 67 countries, up from last year's total of 56 countries.

A list of the largest wheat customers and comparisons to previous years is provided in Table 11. Exports were once again largest to China, exceeding 4.5 million tonnes. Iran returned as a major receiver of Canadian wheat.

**TABLE 11  
CANADIAN WHEAT (INCLUDING DURUM) AND  
WHEAT FLOUR EXPORTS TO MAJOR MARKETS**

	1989-90 <sup>1</sup>	1988-89 (thousand tonnes)	1987-88
China	4 581	2 830	7 664
U.S.S.R.	3 497	2 666	4 500
Japan	1 465	1 355	1 484
Iran	1 445	26	1 113
Iraq	783	783	884
Algeria	609	337	764
Cuba	434	605	953
United States	372	278	397
Philippines	360	117	32
Italy	357	410	440
Indonesia	336	246	189
Bangladesh	336	291	220
United Kingdom	272	410	413
Brazil	220	14	448
Venezuela	181	323	532
Others	2 161	1 713	3 481
<b>TOTAL</b>	<b>17 410</b>	<b>12 404</b>	<b>23 514</b>

<sup>1</sup> Preliminary: Subject to Revision.

Source: Canadian Grain Commission for 1989-90.  
Previous Years - Statistics Canada.

### DURUM WHEAT

Canadian durum exports at 2.8 million tonnes accounted for over 60 per cent of world trade in 1989-90. Exports were once again largest to the Soviet Union, exceeding one million tonnes. Exports also increased to Algeria, Libya, Japan, and the United States.

**TABLE 12  
CANADIAN DURUM EXPORTS  
TO MAJOR MARKETS**

	1989-90 <sup>1</sup>	1988-89	1987-88
	(thousand tonnes)		
U.S.S.R.	1 095	715	992
Algeria	605	326	611
United States	218	186	203
Libya	170	78	96
Italy	155	214	231
Japan	141	118	94
Belgium/Luxembourg	66	52	78
German Dem. Republic	61	60	53
Iraq	60	—	—
Venezuela	53	116	175
Others	214	138	221
<b>TOTAL</b>	<b>2 838</b>	<b>2 003</b>	<b>2 754</b>

<sup>1</sup> Preliminary: Subject to Revision.

Source: Canadian Grain Commission for 1989-90.  
Previous Years - Statistics Canada.







## BARLEY AND BARLEY PRODUCTS

Canadian exports of barley and barley products rose to 4.5 million tonnes in the 1989-90 crop year. This was possible because of the larger 1989 crop. However, carryover stocks were also reduced from 2.8 million tonnes at the end of the 1988-89 crop year to 2.1 million tonnes at the end of 1989-90.

Saudi Arabia was once again the largest barley customer. The Soviet Union also returned as a major buyer. As shown in Table 13, exports also increased to Japan, Iraq, the German Democratic Republic, and Iran.

Malting barley exports dropped from 349 000 tonnes in 1988-89 to 240 000 tonnes in 1989-90. This was mainly due to limited supplies of good quality malting barley. Quantities and destinations for malting barley were 20 000 tonnes to Colombia, 213 000 tonnes to the United States, and 7 000 tonnes to Peru.



**TABLE 13**  
**CANADIAN BARLEY EXPORTS**  
**TO MAJOR MARKETS**

	1989-90 <sup>1</sup>	1988-89	1987-88
	(thousand tonnes)		
Saudi Arabia	1 358	1 091	1 678
U.S.S.R.	914	—	208
Japan	843	698	900
Iraq	282	115	111
German Dem. Republic	276	176	260
Iran	217	63	123
United States	213	213	278
United Arab Emirates	50	—	—
China	26	123	278
Turkey	23	—	—
Others	28	138	538
Total Bulk Grain	4 230	2 617	4 374
Malt (Grain Equivalent)	273	261	220
<b>GRAND TOTAL</b>	<b>4 503</b>	<b>2 878</b>	<b>4 594</b>

<sup>1</sup> Preliminary: Subject to Revision.  
Source: Canadian Grain Commission for 1989-90.  
Previous Years — Statistics Canada.

## DOMESTIC WHEAT PRICES

During the 1989-90 crop year, the Wheat Board continued to follow fluctuations in the North American market to establish its price to domestic millers. New prices were set every two to three months to reflect changes in prices for similar qualities of U.S. wheats.

In June 1990, the Wheat Board moved to weekly pricing. Prices were established each Friday to apply to mill purchases for the ensuing week.

The weekly prices were established off a basis to the Minneapolis future for hard red spring wheat and the Chicago future for soft white spring wheat. Durum prices were determined with reference to trading levels for U.S. milling durum.

The basis was established relative to the nearby future month (except for durum) and was fixed for a period of time. For example, the basis for No. 1 Canada Western Red Spring wheat 13.5 per cent was announced May 18, 1990. This basis was related to the Minneapolis July future and was used for Friday domestic pricing until July 20, 1990, after which the basis to the September future was in effect. The Wheat Board indicated that the basis would be announced two weeks prior to the inclusion in the calculation.

The basis for No. 1 Canada Western Red Spring wheat 13.5 per cent was comprised of a market premium for dark northern spring wheat (DNS) 14 per cent Duluth over the Minneapolis future and also a quality premium for No. 1 CWRS 13.5 per cent Thunder Bay over DNS 14 per cent Duluth, two comparable port positions.



Since the basis was determined for a substantial period of time, the exchange rate used to arrive at the basis was the applicable forward exchange rate on the day it was announced. The first basis was established at Cdn\$32.40 per tonne.

During 1989-90, federal government contributions to the Wheat Board's pool accounts as compensation for the elimination of the Two-Price Wheat System were discontinued. The federal government had indicated that compensation after the 1988-89 crop year would be provided to farmers through other programs.

### DOMESTIC PRICES FOR MALTING BARLEY

The Wheat Board continued to set domestic malting barley prices at levels which took into account supply/demand factors and other marketing conditions.

Drought in 1988 combined with hot, dry conditions in the summer of 1989 raised concerns about available supplies of good quality malting barley. Much of the 1989 crop of malting barley was too high in protein for maltsters' preferences.

Domestic malting barley prices were very strong at the start of the 1989-90 crop year. Two-row malting barley prices instore Thunder Bay were running at over \$260 per tonne.

Prices began to slide towards the spring of 1990. By April 1990, two-row prices had dropped to about \$221 per tonne. Increased seeded area to barley combined with good

growing conditions in the summer of 1990 pushed two-row domestic barley prices down to about \$190 per tonne by the end of the crop year.

### CREDIT SALES

Six countries received grain under credit during the 1989-90 crop year. Table 14 shows the quantity and destination of Wheat Board credit sales during the crop year.

When the Board enters into a credit sale, it borrows money to fund the transaction. These funds are used to pay the pool account and are included in any final payments.

The federal government guarantees the bank loans that the Wheat Board incurs to finance the credit sales. If the principal and interest amount owing on a credit sale cannot be recovered, the federal government would, under its guarantee, provide the funds to repay the Board's bank loans, hence the farmer is not at risk.

**TABLE 14**  
**1989-90 CANADIAN GRAIN EXPORTS**  
**UNDER CREDIT AGREEMENTS**

August 1/89-July 31/90  
(tonnes)

#### WHEAT & DURUM

Algeria	604 552
Brazil	199 733
Cuba	80 424
Iraq	782 587
Jamaica	59 096
U.S.S.R.	3 447 350
Sub-total	5 173 742

#### BARLEY

Iraq	223 873
U.S.S.R.	913 827
Sub-total	1 137 700

#### TOTAL WHEAT & BARLEY

6 311 442



Source: CWB Planning & Coordination and Finance Directorate as at January 30, 1991.



## FOOD AID PROGRAMS

Quantities of Western Canadian wheat and wheat flour shipped under food aid programs during the 1989-90 crop year were similar to the previous year. About 833 500 tonnes were shipped under the World Food Program, Canadian International Development Agency, Government of Canada aid, and the Canadian Foodgrains Bank.

As shown in Table 15, there were 44 countries that received food aid relief during the crop year. Bangladesh was once again the largest recipient.





**TABLE 15**  
**WESTERN CANADIAN FOOD AID SHIPMENTS 1989-90**  
**(August-July)**  
**(tonnes)**

Country	CIDA			World Food Program			Total		
	Wheat	Flour	Sub-total	Wheat	Flour	Sub-total	Wheat	Flour	Sub-total
Algeria	-	-	-	-	12 210	12 210	-	12 210	12 210
Bangladesh	200 390	-	200 390	160 291	-	160 291	360 681	-	360 681
Barbados	-	-	-	3 500	-	3 500	3 500	-	3 500
Bolivia	11 420	-	11 420	-	869	869	11 420	869	12 289
Brazil	-	-	-	17 497	-	17 497	17 497	-	17 497
Burundi	-	-	-	-	938	938	-	938	938
China	-	-	-	14 000	-	14 000	14 000	-	14 000
Colombia	-	-	-	-	2 760	2 760	-	2 760	2 760
Costa Rica	-	-	-	-	538	538	-	538	538
Dominican Republic	-	-	-	10 300	-	10 300	10 300	-	10 300
Egypt	-	-	-	-	7 314	7 314	-	7 314	7 314
El Salvador	-	-	-	-	4 002	4 002	-	4 002	4 002
Equador	-	-	-	-	4 140	4 140	-	4 140	4 140
Ethiopia	15 320	-	15 320	29 795	16 804	46 599	45 115	16 804	61 919
Gambia	-	-	-	-	483	483	-	483	483
Ghana	25 000	-	25 000	-	-	-	25 000	-	25 000
Guatemala	-	-	-	-	2 708	2 708	-	2 708	2 708
Guyana	-	-	-	-	124	124	-	124	124
India	-	-	-	11 586	-	11 586	11 586	-	11 586
Indonesia	-	-	-	10 250	-	10 250	10 250	-	10 250
Iran	-	-	-	6 925	-	6 925	6 925	-	6 925
Jamaica	-	-	-	6 600	704	7 304	6 600	704	7 304
Jordan	6 419	-	6 419	-	-	-	6 419	-	6 419
Lebanon	-	-	-	-	2 760	2 760	-	2 760	2 760
Mali	3 731	-	3 731	-	-	-	3 731	-	3 731
Mauratania	-	-	-	3 080	207	3 287	3 080	207	3 287
Mauritius	-	-	-	-	2 652	2 652	-	2 652	2 652
Morocco	11 185	-	11 185	-	9 598	9 598	11 185	9 598	20 783
Mozambique	40 179	-	40 179	-	-	-	40 179	-	40 179
Nicaragua	-	-	-	-	2 507	2 507	-	2 507	2 507
Paraguay	-	-	-	-	2 587	2 587	-	2 587	2 587
Peru	-	-	-	-	4 513	4 513	-	4 513	4 513
Rwanda	1 450	-	1 450	-	-	-	1 450	-	1 450
Senegal	16 403	-	16 403	-	-	-	16 403	-	16 403
Somalia	-	-	-	-	2 594	2 594	-	2 594	2 594
Sri Lanka	-	-	-	6 000	-	6 000	6 000	-	6 000
Sudan	-	-	-	-	13 110	13 110	-	13 110	13 110
Syria	-	-	-	-	28 380	28 380	-	28 380	28 380
Trinidad	-	-	-	1 800	-	1 800	1 800	-	1 800
Tunisia	19 400	-	19 400	-	1 242	1 242	19 400	1 242	20 642
Uganda	-	-	-	4 901	-	4 901	4 901	-	4 901
Viet-Nam	-	-	-	-	13 042	13 042	-	13 042	13 042
Yemen, Arab Republic	-	-	-	-	8 349	8 349	-	8 349	8 349
Yemen, People's Democratic Republic	-	-	-	-	13 338	13 338	-	13 338	13 338
<b>Sub Total</b>	<b>350 897</b>	<b>-</b>	<b>350 897</b>	<b>286 525</b>	<b>158 473</b>	<b>444 998</b>	<b>637 422</b>	<b>158 473</b>	<b>795 895</b>

**CFBA:** Ethiopia 11 842 tonnes; Jamaica 850 tonnes; Kenya 13 200 tonnes; Mozambique 3 500 tonnes;  
Sudan 21 570 tonnes; Zimbabwe 5 138 tonnes

**Government of Canada Aid:** Poland 32 000

**GRAND TOTAL**

**883 995**





## PART III

# THE SUPPLY AND TRANSPORTATION OF GRAIN

### INTRODUCTION

Total grain supplies in 1989-90 were up considerably from the drought-reduced levels of the previous year. Western Canadian production of the six major grains was estimated at 40.9 million tonnes, 10 million tonnes higher

than the previous year. The near-average output was achieved in spite of drought late in the growing season. Production of the major grains by province is shown in Table 16.

**TABLE 16**  
**1989<sup>1</sup> WESTERN CANADIAN YIELDS AND PRODUCTION**

	ALBERTA				SASKATCHEWAN			
	YIELD		PRODUCTION		YIELD		PRODUCTION	
	1989	10-Year Average 1979-88	1989	10-Year Average 1979-88	1989	10-Year Average 1979-88	1989	10-Year Average 1979-88
	(bus. per acre)		(million tonnes)		(bus. per acre)		(million tonnes)	
Wheat	31.2	30.1	6.4	5.6	23.4	24.6	12.6	13.2
Barley	51.4	49.5	5.7	5.8	37.3	41.9	3.0	3.0
Oats	61.8	62.5	1.6	1.2	43.3	48.1	.8	.7
Rye	29.2	29.4	.2	.2	24.7	23.0	.4	.2
Flaxseed	20.0	19.3	.1	.1	13.3	16.5	.2	.2
Canola	21.9	21.9	1.3	1.3	17.8	22.4	1.3	1.3
TOTAL PRODUCTION	—	—	15.3	14.2	—	—	18.3	18.6

	MANITOBA				TOTAL WESTERN CANADA <sup>2</sup>			
	YIELD		PRODUCTION		YIELD		PRODUCTION	
	1989	10-Year Average 1979-88	1989	10-Year Average 1979-88	1989	10-Year Average 1979-88	1989	10-Year Average 1979-88
	(bus. per acre)		(million tonnes)		(bus. per acre)		(million tonnes)	
Wheat	28.9	29.1	4.1	3.4	26.1	26.5	23.3	22.4
Barley	44.4	47.3	1.5	1.8	45.3	46.6	10.4	10.9
Oats	44.0	52.2	.3	.4	53.0	56.1	2.8	2.4
Rye	33.9	29.5	.2	.1	27.5	26.4	.8	.6
Flaxseed	12.4	16.4	.2	.4	13.2	16.6	.5	.7
Canola	15.3	21.4	.4	.5	19.0	21.9	3.1	3.1
TOTAL PRODUCTION	—	—	6.7	6.6	—	—	40.9	40.1

<sup>1</sup> Preliminary: Subject to Revision.

<sup>2</sup> Includes British Columbia.

Source: Statistics Canada.





Few delivery or transportation constraints were experienced during the 1989-90 crop year. Exports of Canadian grain amounted to 24.9 million tonnes versus 18.2 million tonnes in 1988-89. The 1989-90 crop year ended with carryover stocks near record low levels.

## CROP DEVELOPMENT AND QUALITY

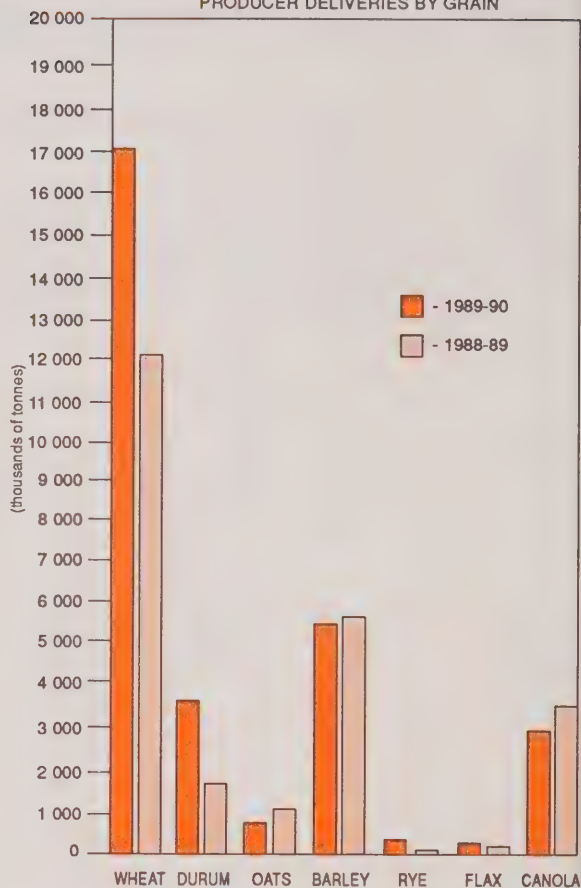
Moisture conditions in the spring of 1989 were poor, as a result of the effects of a prolonged dry spell (see page 21). However, widespread rains in May and especially June improved prospects in most areas. Hot, dry weather returned during July and the first half of August. The heat, combined with the lack of soil moisture reserves, had a negative impact on yields, particularly on later-sown crops.

Despite this unfavorable weather late in the growing season, wheat and durum yields held up reasonably well. Barley, oats, and especially oilseeds did not fare as well, sustaining substantial yield losses from the late summer drought. Shrunken kernels and high protein content in barley resulting from the hot, dry conditions reduced supplies available for malting.

Conditions changed dramatically in mid-August, with three weeks of cool, wet weather. Little harvesting was completed during this time. The wetness resulted in a substantial deterioration of quality in wheat, durum, and barley. Even though drier weather followed, temperatures continued cool in Alberta. The harvest in Alberta dragged on well into October and an exceptionally wet fall in the southern Peace River area caused major harvest difficulties.



GRAPH 1  
PRODUCER DELIVERIES BY GRAIN



## PRODUCER DELIVERIES

A strong export program provided producers with good delivery opportunities throughout the 1989-90 crop year. This, combined with a return to average production on the Prairies, led to a sharp rise in grain deliveries. Producers delivered 30.6 million tonnes of grain in 1989-90, up from 24.5 million tonnes the year before. The large increase in deliveries of wheat and durum relative to other grains is shown in Graph 1.

The Canadian Wheat Board was able to market all that Prairie farmers chose to deliver during the 1989-90 crop year. Grain movement in general got off to a rather slow start because of the low carryover from the previous year and the delayed harvest in Saskatchewan and Alberta. The pace picked up in the fall and continued steadily

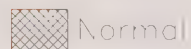


MAP 1

**TOTAL PRECIPITATION**  
**May 1, 1988, to April 30, 1989**



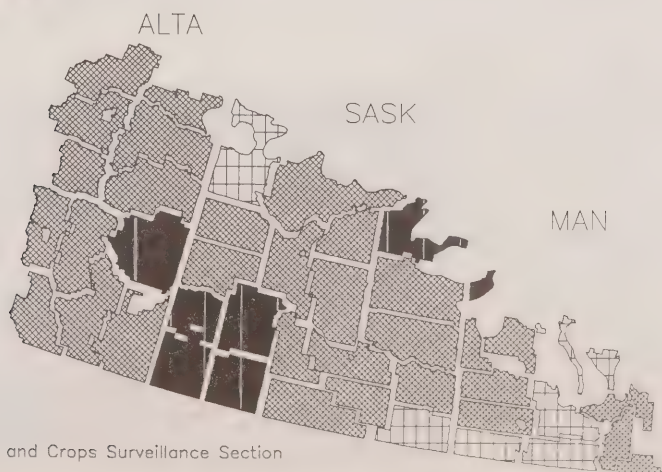
Compared to Normal



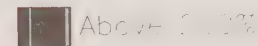
CWB Weather and Crops Surveillance Section

MAP 2

**PRECIPITATION**  
**August 1989**



% Normal



CWB Weather and Crops Surveillance Section



**TABLE 17**  
**SUMMARY OF CROP YEAR QUOTAS AS AT JULY 31, 1990**

	Quota Name	Kilograms Quota Acre	Bushels/ Quota Acre	Grades	Area
Canada Western					
Red Spring Wheat	A to J	1 000	36.7	All	All
Durum Wheat	A to H	1 610	59.1	All	All
Canada Prairie Spring Wheat	A to E	1 770	65.3	All	All
Utility Types of Wheat	A to E	2 040	75.3	All	All
Red Winter Wheat	A to E	1 630	60.2	All	All
Soft White Spring Wheat	A to D	1 505	55.4	All	All
Barley	A to C	330	15.3	All	All
Contract Barley	Series A to C	2 000	91.8	Straight 1 & 2 CW	All
Contract Soft White Spring Wheat		2 000	73.5	Straight 1 & 2 CW	All
Contract Utility Types of Wheat		2 000	73.5	Straight 1 CU	All
Oats		1 500	97.3		
Rye		1 900	74.8		
Rye to Distillers	Quota Exempt				
Flaxseed		1 900	74.8		
Flaxseed to Crushers	Quota Exempt				
Canola		1 700	75.0		
Canola to Crushers	Quota Exempt				
Off-Board Wheat		2 000	73.5		
Off-Board Barley		1 600	73.5		
Selected Soft White Spring Wheat	1 carlot per 60 acres or 1 360 kg per acre per truck maximum 6 carlots of either 2-Row or 6-Row or combination				
Designated Barley					

throughout the winter. The crop year ended quietly with elevator space readily available as on-farm stocks dwindled.

The Canadian Wheat Board offered quotas for all grades during the 1989-90 crop year. The Board also offered guaranteed delivery contracts for Nos. 1 and 2 CW Barley, utility wheat, and soft white spring wheat. Unlike the previous year, producers were required to assign quota acres for contract grains. The Board accepted all contract tonnages of grain offered by producers. The Board maintained its policy of announcing quotas and contracts as early as possible to assist producers in making delivery decisions.







**TABLE 18**  
**STOCKS ON FARMS IN WESTERN CANADA AS AT JULY 31**  
**FOR YEARS 1985 TO 1990**

Grain	1990 <sup>1</sup>	1989	1988	1987	1986	1985
			(thousand tonnes)			
Wheat	540	650	2105	4 575	685	920
Durum	150	125	415	415	60	140
Oats	660	390	660	800	455	345
Barley	920	1 000	2370	1 330	815	700
Rye	200	70	170	235	160	145
Flaxseed	15	50	125	140	65	25
Canola	225	455	160	170	275	85
<b>TOTAL</b>	<b>2 710</b>	<b>2 740</b>	<b>6 005</b>	<b>7 665</b>	<b>2 515</b>	<b>2 360</b>

<sup>1</sup> Subject to Revision.  
Source: Statistics Canada.

**TABLE 19**  
**STOCKS IN COMMERCIAL POSITIONS BY GRAIN AS AT JULY 31**  
**FOR YEARS 1985 TO 1990**

Grain	1990 <sup>1</sup>	1989	1988	1987	1986	1985
			(thousand tonnes)			
Wheat	4 387	3 544	3 644	6 530	7 305	6 134
Durum	1 193	701	1 126	1 194	494	384
Oats	174	271	207	144	171	124
Barley	1 009	1 725	1 200	1 602	2 209	1 291
Rye	173	141	159	165	142	233
Flaxseed	39	132	287	302	207	119
Canola	544	694	491	449	675	375
<b>TOTAL</b>	<b>7 519</b>	<b>7 208</b>	<b>7 114</b>	<b>10 386</b>	<b>11 203</b>	<b>8 660</b>

<sup>1</sup> Subject to Revision.  
Source: Canadian Grain Commission for 1990.  
All previous years – Statistics Canada "Grain Trade of Canada".

**TABLE 20**  
**COUNTRY ELEVATOR SHIPMENTS**

Grain	1989-90				1988-89 <sup>1</sup>			
	Manitoba	Saskatchewan	Alberta <sup>1</sup>	Total	Manitoba	Saskatchewan	Alberta <sup>1</sup>	Total
			(thousand tonnes)				(thousand tonnes)	
Wheat	3 349	8 557	4 613	16 519	2 251	5 694	4 259	12 204
Durum	206	2 654	687	3 547	119	1 349	382	1 850
Oats	56	146	424	626	82	189	772	1 044
Barley	761	2 091	2 921	5 773	551	1 441	3 229	5 221
Rye	108	186	68	362	50	78	53	181
Flaxseed	170	176	26	372	161	149	30	341
Canola	346	1 119	1 017	2 482	448	1 099	977	2 524
<b>TOTAL</b>	<b>4 996</b>	<b>14 929</b>	<b>9 756</b>	<b>29 681</b>	<b>3 662</b>	<b>9 999</b>	<b>9 702</b>	<b>23 365</b>

<sup>1</sup> Includes British Columbia.  
Source: Canadian Grain Commission.



## CARRYOVER

The 1989-90 crop year ended with carryover stocks of the six major grains near record-low levels. Stocks on farms and in commercial positions totaled 10.2 million tonnes. This was marginally higher than the 9.9-million-tonne carryover level of the previous year, but still extremely low by historical standards. On-farm stocks remained at only 2.7 million tonnes. Tables 18 and 19 provide a breakdown of stocks on farms in Western Canada and in Canadian commercial positions.

## COUNTRY ELEVATOR SHIPMENTS

Country elevator shipments of the six major grains were up sharply in 1989-90, reflecting improved grain supplies. Shipments totaled 29.7 million tonnes compared with 23.4 million tonnes the previous crop year. Shipments from Manitoba and particularly Saskatchewan were up noticeably. Country elevator shipments by province and by grain are shown in Table 20.

## WEST COAST

West Coast exports reached 16.4 million tonnes during the 1989-90 crop year, the second highest level on record. This was 600 000 tonnes below the 1987-88 record level and 4.5 million tonnes above the previous crop year. A return to average grain production following the previous year's severe drought facilitated the increase in West Coast shipments.

Brisk movement through West Coast ports was achieved in spite of extensive terminal renovations and upgrading of facilities. Exports through the Port of Vancouver totaled 11.6 million tonnes – the third highest on record – while Prince Rupert shipped a record 4.8 million tonnes.

## THUNDER BAY AND ST. LAWRENCE

Exports through Thunder Bay terminals and St. Lawrence transfer houses totaled 7.3 million tonnes in 1989-90. This compares with 5.3 million tonnes in the previous crop year.

Grain movement through the Great Lakes got off to a slow start, but picked up considerably in the late fall. However, cold weather hampered movement on the St. Lawrence Seaway and forced an early close of navigation. Other operational problems were encountered. Repairs to the lock at St. Lambert were required when it was struck by a vessel, and a strike by the Canadian Coast Guard suspended navigation for a short time.

The Canadian Wheat Board established a winter rail program to help meet shipping commitments from St. Lawrence ports during the months of January, February, and March. In total, 66 trains moved 557 825 tonnes of wheat and durum from Thunder Bay to the St. Lawrence during the winter of 1990.

The 1990 shipping season began at a brisk pace. The first vessel of the season left Thunder Bay on March 27, 1990. All sections of the Great Lakes and St. Lawrence Seaway were opened at about the same time. Exports slowed in the latter months of the crop year as supplies dwindled.







**TABLE 21**  
**TOTAL EASTERN TRANSPORTATION AND HANDLING COSTS FOR WHEAT**

	1990	1989	1988 (dollars per tonne)	1987	1986	1985
Thunder Bay to St. Lawrence <sup>1</sup> (all water)	\$23.252	\$20.908	\$22.364	\$21.565	\$25.586	\$24.489
Thunder Bay to St. Lawrence (winter rail)	n/a	n/a	31.345	32.940	34.229	34.185
Thunder Bay to Atlantic <sup>2</sup>	27.352	23.071	24.461	23.615	27.571	27.548

<sup>1</sup> Includes lake freight rate as at opening of navigation.

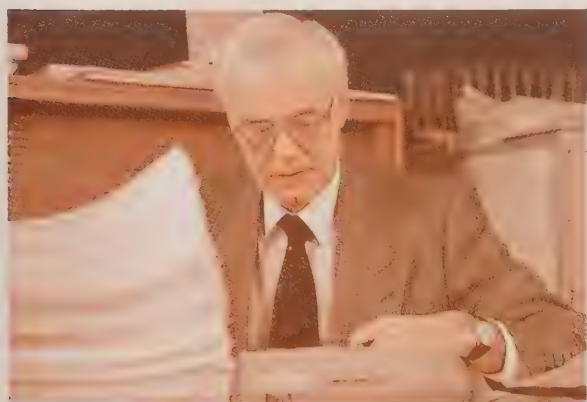
<sup>2</sup> Includes lake freight costs to Georgian Bay at close of the previous navigation season and rail freight costs from Georgian Bay to the Atlantic.

n/a not available.

## ATLANTIC

Exports through the Atlantic ports of Halifax and West Saint John totaled 114 000 tonnes in 1989-90. This was down significantly from the previous year's total of 402 000 tonnes. Shipments included wheat and durum.

Most of the grain was shipped to the Atlantic ports prior to the close of navigation. Little was moved by rail from Georgian Bay to the Atlantic as had been done traditionally. The decline in rail movement resulted from discontinuation of the "At and East" rail freight rates, which served to offset the higher costs of moving grain by rail following the close of navigation. The "At and East" rates, which had been in place since 1960, were removed as of July 15, 1989.



## CHURCHILL

The Port of Churchill saw an increase in export activity in the 1989-90 crop year. Exports totaled 309 000 tonnes versus 50 000 tonnes in the previous year. Most of the grain moved through the port was barley, although small quantities of wheat and durum also were shipped.

A total of nine vessels loaded at Churchill during the 1989 shipping season. The first vessel of the year began loading on August 25, 1989. The last vessel of the season cleared the port on October 16, 1989.

## FREIGHT AND HANDLING RATES

The total cost of moving grain east from Thunder Bay is shown in Table 21. The cost of movement to St. Lawrence and Atlantic ports was up during the 1990 shipping season. Increases in lake freight and elevation charges at Thunder Bay contributed to the higher cost of moving grain eastward.

Table 22 provides a breakdown of fobbing costs at Thunder Bay, charges for lake freight, and inward elevation rates at eastern transfer elevators. Most of the costs – particularly lake freight – reflect increases from the previous year.

Weighted average deductions for rail freight and country elevation are shown in Table 23. Freight costs to producers jumped significantly in the 1989-90 crop year in accordance



**TABLE 22**  
**TOTAL EASTERN TRANSPORTATION AND HANDLING COSTS FOR WHEAT**  
**(Rates Basis Opening of Navigation)**

	1990	1989	1988	1987	1986	1985
			(dollars per tonne)			
<b>Thunder Bay Fobbing Costs</b>	<b>\$5.625</b>	<b>\$5.335</b>	<b>\$5.160</b>	<b>\$5.180</b>	<b>\$5.180</b>	<b>\$5.013</b>
Elevation <sup>1</sup>	4.750	4.480	4.310	4.310	4.310	4.180
Weighing, Inspection <sup>2</sup>	.750	.740	.740	.740	.740	.740
LSCA Charges <sup>3</sup>	.055	.055	.050	.070	.043	.043
Warehouse Receipts Cancellation <sup>4</sup>	.070	.060	.060	.060	.060	.050
<b>Lake Freight (including Bunker fuel)</b>						
Thunder Bay to Bay Ports	8.13	7.09	7.240	6.680	8.430	9.240
Thunder Bay to St. Lawrence	13.00	11.35	13.170	12.140	13.590	15.110
<b>Eastern Transfer Elevators Inward Elevation</b>						
Bay Ports	3.53	3.430	3.430	3.430	3.430	3.430
St. Lawrence	2.54	2.470	2.470	2.470	2.470	2.400
Atlantic	2.54	2.470	2.470	2.470	2.470	2.400

<sup>1</sup> Receiving, weighing and delivery of grain.

<sup>2</sup> Sampling and grading of grain by an inspector and issuing of inspection certificate.

<sup>3</sup> Fees of Lake Shippers Clearance Association.

<sup>4</sup> Cancellation by Canadian Grain Commission of registration of Terminal Warehouse Receipts.

**TABLE 23**  
**WEIGHTED AVERAGE DEDUCTIONS FROM FARMERS**  
**FOR FREIGHT, COUNTRY ELEVATION, AND REMOVAL OF DOCKAGE**

		1989-90	1988-89	1987-88	1986-87	1985-86	1984-85
				(dollars per tonne)			
<b>Wheat</b>	<b>Freight</b>	<b>\$8.36</b>	<b>\$6.80</b>	<b>\$5.94</b>	<b>\$5.62</b>	<b>\$5.53</b>	<b>\$7.20</b>
	Country Elevation and Removal of Dockage	9.70	9.10	8.05	8.02	7.93	7.60
	<b>Total</b>	<b>18.06</b>	<b>15.90</b>	<b>13.99</b>	<b>13.64</b>	<b>13.46</b>	<b>14.80</b>
<b>Durum Wheat</b>	<b>Freight</b>	<b>8.80</b>	<b>7.05</b>	<b>6.21</b>	<b>5.79</b>	<b>5.71</b>	<b>7.55</b>
	Country Elevation and Removal of Dockage	9.45	8.93	7.97	8.00	7.88	7.56
	<b>Total</b>	<b>18.25</b>	<b>15.98</b>	<b>14.18</b>	<b>13.79</b>	<b>13.59</b>	<b>15.11</b>
<b>Barley</b>	<b>Freight</b>	<b>8.57</b>	<b>6.93</b>	<b>6.03</b>	<b>5.65</b>	<b>5.53</b>	<b>7.16</b>
	Country Elevation and Removal of Dockage	11.43	10.86	9.72	9.74	9.68	9.31
	<b>Total</b>	<b>20.00</b>	<b>17.79</b>	<b>15.75</b>	<b>15.39</b>	<b>15.21</b>	<b>16.47</b>



with the provisions of the Western Grain Transportation Act (Bill C-155). This legislation provides for producers to pick up an increasing share of freight costs each year. During the two previous crop years, the federal government cushioned the increases to producers through the Special Assistance Program. This assistance was discontinued in the 1989-90 crop year.

The Canadian Grain Commission increased the maximum terminal and country elevation tariffs and removal of dockage fees for the 1989-90 crop year. Maximum terminal elevation tariffs were \$5.26 per tonne for wheat and \$6.52 per tonne for barley. Maximum country elevation tariffs were \$8.96 for wheat and \$11.11 per tonne for barley. Maximum fees for removal of dockage were \$2.76 per tonne for wheat and \$3.42 per tonne for barley.







## PART IV OTHER OPERATIONS

### PROMOTIONAL ACTIVITIES

#### Varietal Evaluation

Five varietal evaluation programs were offered to producers prior to the start of the 1990 growing season. As shown in Table 24 below, these included Genesis (HY 355) and Biggar (HY 368) wheat, and BT 477, TR 490 and Condor barley. Varietal evaluation programs are conducted by the Wheat Board's Market Development Department to evaluate and encourage the development of varieties with potential to expand market opportunities for western grain growers.

**TABLE 24**  
**WHEAT BOARD CONTRACT PROGRAMS IN 1990**

Variety	Average No. of Growers	Size of Contract (Acres)	Total Acres	Type
<b>WHEAT</b>				
Genesis	730	50-100	61,217	CPS (white)
Biggar	378	50-100	31,573	CPS (red)
<b>BARLEY</b>				
BT 477	35	60	2,891	6-Row Blue
TR 490	26	60	2,186	2-Row White
Condor	11	60	660	2-Row Hullless



**Genesis (HY 355)** – This is Canada's first high-yielding white wheat which appears to meet the quality requirements of the Canada Prairie Spring wheat class. It was developed at the Agriculture Canada Research Station in Swift Current. It is best adapted to the brown and dark brown soil zones.

**Biggar (HY 368)** – This variety is the successor to HY 320. It has been supported for registration as the first variety to be included in the red Canada Prairie Spring wheat class. Like its predecessor, Biggar is a high-yielding variety that was developed at the Swift Current Research Station. With increased kernel hardness, the milling and baking quality of Biggar is significantly superior to that of HY 320 and should, therefore, be more acceptable in overseas markets.

**BT 477** – This six-row blue malting barley was developed by the University of Saskatchewan. BT 477 has outyielded Bonanza and Argyle in all soil zones in each year of testing. It has very promising malting quality with higher extract and amylolytic enzyme activity than Bonanza. This year completes two years of plant-scale testing.

**TR 490** – This two-row white malting barley was also developed by the University of Saskatchewan. It has very promising qualities. TR 490 is similar to Harrington barley, and has slightly higher extract than Ellice. It has higher diastatic power than Harrington and Ellice, and has outyielded





both varieties in all soil zones. Two years of plant scale testing are now complete with favorable results. This variety will be available for general production in 1991.

**Condor** – This is a two-row hulless barley. It has shown marketing potential in poultry and hog rations, as well as the food market. As part of the testing program resulting from contract quantities, samples have been sent to the food and feed industry for response.

## Canadian International Grains Institute

The Canadian Wheat Board continued to jointly fund the Canadian International Grains Institute with the federal government. To support market development efforts, the Board requested that the Institute offer the following programs:

<b>Third International Malting &amp; Brewing Technology Program</b>	July 24-August 10, 1989
<b>Brazilian Baking Industry Program</b>	July 31-August 12, 1989
<b>Sixth International Flour Technology Course</b>	August 28-September 14, 1989
<b>Philippine-Canada Feed Barley Seminar</b>	February 16, 1990 (held in Manila, Philippines)
<b>Seventh International Feed and Oilseed Program</b>	April 3-May 17, 1990
<b>Twenty-Fifth International Grain Industry Program</b>	May 28-June 21, 1990
<b>Middle East-Canada Feed Barley Program</b>	July 16-26, 1990

In addition, the Institute provided the following programs:

<b>International Canola Program</b>	September 11-21, 1989
<b>Eleventh Canadian Feed Technology Course</b>	November 6-9, 1989
<b>Twelfth Canadian Grain Industry Course</b>	December 4-8, 1989
<b>Twenty-Third Grain Marketing Course</b>	January 8-12, 1990
<b>Twenty-Fourth Grain Marketing Course</b>	January 15-19, 1990
<b>Eleventh Grain Utilization Technology Course</b>	January 29-February 2, 1990
<b>Seventeenth Farm Leaders' Course</b>	February 19-March 2, 1990
<b>Sixth Journalists' Course</b>	March 12-16, 1990
<b>Canadian Millers' Grain Marketing Course</b>	April 1-4, 1990

Further details of the activities of the Institute are available in the Institute's annual report. The Board commends the Canadian International Grains Institute for its programs and for the response given to our market development efforts.

## Sales Missions

During the crop year under review, Commissioners and other Board officials traveled to numerous countries on sales and market development missions. These countries are listed by geographic area as follows:

**Africa and the Middle East** – Algeria, Bahrain, Egypt, Kuwait, Oman, Qatar, United Arab Emirates, Iraq, Iran, Tunisia







**Asia** – Japan, Malaysia, People's Republic of China, Singapore, South Korea, Taiwan, Thailand, Philippines, Indonesia, Hong Kong

**North America** – United States

**Latin America and the Caribbean** – Brazil, Chile, Mexico, Venezuela, Jamaica

**Western Europe** – Switzerland, United Kingdom, France, Norway, Italy, Finland

**Eastern Europe** – German Democratic Republic, U.S.S.R.

### Incoming Missions

Senior grain trade representatives and government officials from the People's Republic of China visited Canada as guests of the Board during the 1989-90 crop year. While in Canada, the group was able to observe the operations of the Canadian grain industry from farm to seaboard port, learn about Canadian quality control, and tour West Coast grain handling facilities.

Individuals and groups from 16 other countries also visited Board offices during the period under review. In addition to having meetings and discussions, the Board assisted the visitors in arranging itineraries and programs.

The Board gratefully acknowledges the invaluable support it receives from many levels of governments, universities, grain trade organizations and individuals in arranging these visits.



### Awards Program

This year marks the fourteenth year of the awards program. Its purpose is to encourage young scientists to enter the field of grain and related agricultural research. This program offers financial assistance to students in Colleges of Agriculture at the Universities of Alberta, Saskatchewan, and Manitoba and is funded by the Wheat Board's Special Account. A total of \$224,916.63 was awarded through this program in the 1990 calendar year.

Eighteen students were awarded fellowships to continue post-graduate studies. At the graduate level, six new fellowships were awarded for a three-year duration. The awards are made on the basis of academic standing, and are keenly contested. Each fellowship winner receives \$15,000 in the first year, \$16,000 in the second year, and \$17,000 in the third year.

Another 29 awards were presented to students at the third- and fourth-year under-graduate level. Each third-year recipient receives \$1,400 and the fourth-year recipient receives \$1,700. This year two under-graduate scholarship students were hired by the Board for summer employment.

### Touring the Wheat Board

Approximately 1,400 people toured the Wheat Board's Winnipeg office during the 1989-90 crop year. There were 19 farm groups, 50 international groups, 28 educational groups and 17 others. They toured the major departments of the Board and operations in each area were discussed.



## LEGAL SERVICES

The Board's Legal Department continued to provide legal assistance to the Board by drafting Regulations, handling estate files and demurrage claims and providing legal opinions and assistance on a broad range of matters relating to the Board's operations.

The Legal Department also assisted with the collection of defaulted cash advance accounts under the federal government's Prairie Grain Advance Payments Act. There were 1,026 accounts referred to the Legal Department during the year for collection and 597 actions were taken in the Federal Court of Canada. This compares with 1,388 defaulted accounts referred to the Legal Department for collection the previous crop year in which 175 actions were taken.

Eighty-two bankruptcy files were opened and attended to by the Legal Department, compared to 83 in the previous crop year, where producers entering bankruptcy had previously obtained advance payments which remained outstanding under the Prairie Grain Advance Payments Act.

The Canadian Wheat Board continued to prosecute and obtain convictions for breaches of the Canadian Wheat Board Act and Regulations and the Prairie Grain Advance Payments Act and Regulations. The convictions involved a total of 11 producers, two elevator managers and four elevator companies.

## OFFICERS AND STAFF

A number of changes involving senior staff took place during the 1989-90 crop year. Ms. Margaret Redmond was appointed Counsel to the Legal Department. Mr. John Morriss left the employ of the Wheat Board as Director of the Information Department. Mr. Chuck Thompson was hired by the Board on a contract basis to assume the position of Director of that department.

Mr. David Olfert, previously Treasurer of the Wheat Board, became Executive Director, Finance and Treasurer. Mr. Larry Nentwig was appointed General Director of Finance. Mr. Wil Enns was appointed Director, Accounting Operations, Finance. Mr. Edward Letkeman became Director, Cash Management and Loans Administration, Finance. Mr. Harvey Brooks was appointed Director, Policy, Trade and Industry Analysis.

Six staff members retired from the Wheat Board in the 1989-90 crop year. The following people provided the Wheat Board and the farmers it serves with valuable service over the years: Mr. Adolf Lipinski, Mr. Antonio Santos, Mr. Donald Kuefler, Mr. Trevor Code, Mrs. Adeline Burns, and Mr. Nels Malmas.

It is with sadness that we record the deaths in 1989-90 of the following pensioners: Miss Nan McKenzie, Miss Irene Russell, Miss Clara Troendle, Mrs. Anna Pahnke, Mrs. Alice Mitchell, Miss Lola Hickey, Mr. Douglas Stewart, and Mr. Antonio Santos.

**TABLE 25**  
**NUMBER OF EMPLOYEES AT JULY 31ST**

Year	Permanent	Temporary	Total
1986	482	37	519
1987	462	42	504
1988	448	37	485
1989	434	35	469
1990	430	36	466

## BOARD OFFICES

The Canadian Wheat Board continued to operate branch offices in Montreal with a staff of seven employees, in Vancouver with a staff of nine employees, and in Tokyo with a staff of three.







## PART V ADVISORY COMMITTEE

The 1989-90 crop year continued with the Advisory Committee which took office in January 1987 for a four-year term. It consisted of the following members:

District	Name	Address
1	Wilfred A. Harder .....	Lowe Farm, Manitoba
2	Larry N. Maguire .....	Elgin, Manitoba
3	Terry L. Hanson .....	Fillmore, Saskatchewan
4	Micheal G. W. Halyk ....	Melville, Saskatchewan
5	J. Harvey Gjesdal ....	Birch Hills, Saskatchewan
6	Roy R. Atkinson .....	Landis, Saskatchewan
7	Avery K. Sahl .....	Regina, Saskatchewan
8	Gary Pike .....	Lloydminster, Saskatchewan
9	Dan Cutforth .....	Barons, Alberta
10	Ken D. Galloway ..	Fort Saskatchewan, Alberta
11	Arthur W. Macklin .....	Grande Prairie, Alberta

Mr. Avery Sahl and Mr. Micheal Halyk continued in their roles as Chairman and Vice-Chairman, respectively, until the Committee's meeting on March 27, 1990. At that time, the Committee reviewed these positions as required by the Canadian Wheat Board Act. Mr. Avery Sahl was elected Chairman and Mr. Wilfred Harder was elected Vice-Chairman for a one-year term.

The Committee held 11 meetings in the 1989-90 crop year to review operational matters with the Board and discuss policy issues related to the producers of Western



Canada. Some of the Committee's main areas of interest and concern were the Prairie Grain Advance Payments Act, the Canada-United States Trade Agreement, improving the quality of feed barley exported from Canada, and the International Trade Commission study into the conditions of competition in U.S. and Canadian durum markets. The Committee was also kept apprised of progress on the Review Panel to the Canadian Wheat Board, which concluded its report for presentation to the Board in October 1990.

Two of the meetings were held outside of Winnipeg. The October 25th and 26th, 1989, meeting was held in Vancouver and included a visit to grain facilities in Vancouver as well as Prince Rupert. The June 18th and 19th, 1990, meeting was held in Toronto with the Ontario Wheat Producers' Marketing Board to discuss topics of mutual interest.

The Committee received many guests at its meetings during the 1989-90 crop year. Mr. Bonne Lemon, Coordinator, Producers' Vote, reviewed arrangements in advance of the Advisory Committee election to be held in the fall of 1990. The Honorable Charles Mayer, Minister of State, Grains and Oilseeds, attended the luncheon during the Committee's regular meeting on April 24, 1990. Attending with the Minister on this occasion were Dr. Harold Bjarnason, Associate Deputy Minister, Grains and Oilseeds, as well as Mr. Jim Everson, Chief of Staff, Office





of the Minister of State, Grains and Oilseeds. The Minister's Special Assistant, Mr. Phil de Kemp, attended Committee meetings on other occasions. Representatives of the U.S. Durum Growers Association attended the Committee meeting July 11, 1990, to discuss their group's proposal that Canadian farmers provide financial assistance to the promotion of pasta consumption. This group was led by Mr. John Rice, President of the U.S. Durum Growers Association.

Committee members represented the Advisory Committee in official capacities. Mr. Terry Hanson served as the Committee's representative on the federal government's Agri-Food Policy Task Force on Safety Nets. Mr. Micheal Halyk represented the Committee at the University of Saskatchewan Students' Awards dinner. Mr. Avery Sahl served on the Olds College Industry Advisory Board on behalf of the Committee.

Once again, Advisory Committee members provided input for the arrangement of district meetings. During regular meetings of the Committee, issues of district meeting format, content, and timing were discussed. In 1990, district meetings were held in the following locations:

The Board would like to express its appreciation to the Committee for having, as always, provided dedicated assistance and guidance during the 1989-90 crop year.



District	Location	1990 Date
1	Carman, Manitoba .....	February 19
	Stonewall, Manitoba .....	February 22
2	Souris, Manitoba .....	February 21
	Grandview, Manitoba .....	February 20
3	* Avonlea, Sask. ....	March 16
	Stoughton, Sask. ....	March 8
4	Neudorf, Sask. ....	March 7
	Wynyard, Sask. ....	March 6
5	Nipawin, Sask. ....	March 19
	* Rosthern, Sask. ....	March 21
6	Eston, Sask. ....	March 22
	* Rosthern, Sask. ....	March 21
7	* Avonlea, Sask. ....	March 16
	Frontier, Sask. ....	March 15
8	Provost, Alta. ....	March 7
	Lloydminster, Sask. ....	March 6
9	Drumheller, Alta. ....	March 1
	Lethbridge, Alta. ....	March 2
10	Fort Sask., Alta. ....	February 26
	Red Deer, Alta. ....	February 27
11	Barrhead, Alta. ....	March 16
	Athabasca, Alta. ....	March 15
	Albright, Alta. ....	March 12
	Nampa, Alta. ....	March 13

\* Shared meeting between two districts.



## PART VI FINANCIAL RESULTS AND NOTES TO FINANCIAL STATEMENTS

The Financial Statements of the Canadian Wheat Board including notes thereto for the crop year under review are presented in this section of the report. These statements consist of the Balance Sheet (Exhibit I), which sets forth the financial position of the Board as at July 31, 1990, together with other statements (Exhibits II to VIII) showing the results of Board operations for the year, all as tabulated in the index preceding the financial statements.

The practice of the Board is to include in its accounts, at July 31, the final operating results of pool accounts where marketing operations have been completed before the issuance of the annual report. Operations on the 1989-90 pool accounts for barley and designated barley were completed on September 30, 1990, and on October 19, 1990, for wheat and amber durum wheat. Details of the final operating results of these pool accounts with commentary thereon are presented in this section of the report.

Although the basic measurement for grain has been the "tonne" since February 1, 1978, for your information a tonne equals 36.74371 bushels of wheat or 45.92963 bushels of barley.

### POOL ACCOUNT — WHEAT

#### Initial Payments

At the beginning of the crop year the Board was authorized to purchase wheat from producers at a fixed initial price of \$155.00 per tonne for No. 1 Canada Western Red Spring. Effective January 9, 1990, the initial price for No. 1 Canada Western Red Spring was increased to \$165.00 per tonne.

#### Supplies of Wheat

Supplies of wheat in the 1989-90 Pool were 18 401 822 tonnes, comprised of 16 682 883 tonnes delivered by producers, 111 848 tonnes acquired from other than producers, and 1 607 091 tonnes purchased from the previous pool.

#### Grade Pattern

Deliveries of grain to the 1989-90 Pool Account consisted of more lower grades than the previous pool. Deliveries of

TABLE B

### PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF WHEAT BASIS IN STORE THUNDER BAY OR VANCOUVER

Grade	Initial Payments	Final Payments (dollars per tonne)	Total
No. 1 Canada Western Red Spring 14.5	\$169.21	\$11.932	\$181.142
No. 1 Canada Western Red Spring 13.5	167.21	9.518	176.728
No. 1 Canada Western Red Spring	165.00	7.112	172.112
No. 2 Canada Western Red Spring 13.5	160.21	11.561	171.771
No. 2 Canada Western Red Spring	159.21	8.874	168.084
No. 3 Canada Western Red Spring	145.21	15.918	161.128
No. 1 Canada Prairie Spring	141.21	19.918	161.128
No. 2 Canada Prairie Spring	139.21	19.918	159.128
No. 1 Canada Western Utility	149.21	13.918	163.128
No. 2 Canada Western Utility	132.21	20.918	153.128
Canada Western Feed	110.00	28.078	138.078
No. 1 Canada Western Red Winter	144.21	18.918	163.128
No. 2 Canada Western Red Winter	142.21	18.918	161.128
No. 1 Canada Western Soft White Spring	155.00	8.424	163.424
No. 2 Canada Western Soft White Spring	152.00	8.424	160.424





TABLE A

**STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION  
TO PRODUCERS ON THE 1989-90 POOL ACCOUNT — WHEAT**  
For the period August 1, 1989, to October 19, 1990  
with prior year figures for the 1988-89 Pool Account for comparison

	1989-90 Pool Account		1988-89 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
Receipts from Producers	16 682 883 tonnes		14 218 367 tonnes	
Sales Value	\$2,968,728,228	\$177.950	\$2,904,265,681	\$204.262
Initial Payments to Producers	2,635,281,090	157.963	2,377,546,508	167.217
Gross Surplus	333,447,138	19.987	526,719,173	37.045
Deduct Operating Costs:				
Carrying Charges:				
Country Elevators	81,947,913	4.912	43,576,178	3.065
Terminal Storage	25,171,463	1.509	14,168,229	.996
Total Carrying Charges	107,119,376	6.421	57,744,407	4.061
Bank Interest and Net Interest on other Board Accounts	(24,312,632)	(1.457)	(33,651,756)	(2.367)
Demurrage/Despatch	(66,282)	(.004)	(3,302,045)	(.232)
Additional Freight — to terminals	15,814,413	.948	9,266,321	.652
— freight rate change	2,389,795	.143	1,675,231	.118
Handling and Stop-off	62,126	.004	(19,809)	(.001)
Drying	76,344	.004	32,299	.002
Interest and Depreciation on Wheat Board Hopper Cars	8,220,815	.493	7,627,680	.536
Wheat Board Administrative Expenses	20,889,909	1.252	17,943,259	1.262
Total Operating Costs	130,193,864	7.804	57,315,587	4.031
Surplus on Operations	203,253,274	12.183	469,403,586	33.014
Deduct: Interim Payment	—	—	213,275,507	15.000
	203,253,274	12.183	256,128,079	18.014
Add: Interest earned after October 19 (1988-89 September 30)	5,252,584	.315	11,714,518	.824
Deduct: Cost of issuing Final Payment (1988-89 including Interim Payment)	152,440	.009	332,121	.024
Deduct: Rebate on Producer Cars	161,708	.009	119,016	.008
Balance for Distribution to Producers	\$ 208,191,710	\$ 12.480	\$ 267,391,460	\$ 18.806



Nos. 1 and 2 Canada Western Red Spring totaled 11.069 million tonnes or 66.35 per cent of total receipts compared to 86.41 per cent for the previous pool, while No. 3 Canada Western Red Spring receipts of 5.098 million tonnes amounted to 30.56 per cent of total receipts. Deliveries of other types of wheat including Canada Western Feed amounted to .516 million tonnes or 3.09 per cent of total producer deliveries. Deliveries of tough and damp grades were similar to the previous year with approximately 1.02 per cent of producer deliveries grading tough and .09 per cent grading damp.

#### **Final Statement of Operations and Surplus for Distribution to Producers — Wheat — Table A**

Marketing operations on the Pool Account for wheat resulted in an operating surplus of \$203,253,274. After providing for producer car rebates of \$161,708, allowing for the cost of issuing the final payment and adding estimated interest earnings subsequent to October 19, 1990, the net surplus for distribution to producers amounted to \$208,191,710. This net surplus represents an average of \$12.480 on producer deliveries of 16 682 883 tonnes. Table B shows the total price realized by producers for No. 1 Canada Western Red Spring at \$172.112 compared to \$197.136 for the previous pool.

### **OPERATING COSTS**

Operating costs incurred applicable to the pool were \$130,193,864 or \$7.804 per tonne. Details of the principal costs and comment thereon follows:

#### **Carrying Charges — \$107,119,376**

Total carrying charges incurred by the Board, including storage and interest charges on wheat in country elevators and storage on wheat in terminal elevators, amounted to \$107,119,376 or \$6.421 per tonne.

#### **Bank Interest and Net Interest on Other Board Accounts — (\$24,312,632)**

This amount consists mainly of bank interest and interest paid to, or received from, other Board accounts. Interest earned exceeded interest paid by \$24,312,632 or \$1.457 per tonne.

#### **Additional Freight — to Terminals — \$15,814,413 — Freight Rate Change — \$2,389,795**

During the crop year the Board paid \$15,814,413 of additional freight arising out of the movement of grain in adverse direction to meet sales requirements.

With the passage of the Western Grain Transportation Act on December 31, 1983, freight rates are now reviewed and adjusted annually. On August 1, 1990, freight rates increased by approximately 13 per cent and the Board was required to pay the additional freight on the country stocks held by its agents on August 1, 1990, amounting to \$2,389,795 in the Wheat Account.

#### **Drying Charges — \$76,344**

Drying charges for 1989-90 totaled \$76,344, an increase from the previous year, reflecting higher quantities of tough and damp grain delivered to the pool under review.

#### **Interest and Depreciation on Wheat Board Hopper Cars — \$8,220,815**

Costs for the use of the Board's 2,000 hopper cars include depreciation and interest. Hopper car expenses attributable to the 1989-90 Wheat Account totaled \$8,220,815 compared to \$7,627,680 for the previous pool.

#### **Administrative and General Expenses — \$20,889,909**

This item represents the portion of the cost of operating the Board, including salaries, fringe benefits to employees and the cost of operating the Board's head office premises as well as other branches in Canada and overseas that was charged to the Wheat Account. Since the Pool Accounts run for periods which overlap crop years, some part of the operating costs for two consecutive crop years are allocated to the Pool Accounts based on length of time the Pool Accounts were open and tonnage handled. Charges allocated to the 1989-90 Wheat Account were \$20,889,909 or \$1.252 per tonne on producer receipts of 16 682 883 tonnes compared with \$17,943,259 or \$1.262 per tonne on producer receipts of 14 218 367 tonnes for the previous pool.

Administrative and general expenses for the 1989-90 crop year from August 1, 1989, to July 31, 1990, totaled \$30,126,784 compared to \$28,483,006 for the 1988-89 crop year; an increase of \$1,643,778 or 5.77 per cent.



TABLE C

STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION TO PRODUCERS  
ON THE 1989-90 POOL ACCOUNT — AMBER DURUM WHEAT

For the period August 1, 1989, to October 19, 1990  
with prior year figures for the 1988-89 Pool Account for comparison

	1989-90 Pool Account		1988-89 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
Receipts from Producers	3 498 752 tonnes		2 254 359 tonnes	
Sales Value	\$576,605,244	\$164.803	\$468,270,301	\$207.718
Initial Payments to Producers	502,789,898	143.706	420,780,711	186.652
Gross Surplus	73,815,346	21.097	47,489,590	21.066
Deduct Operating Costs:				
Carrying Charges:				
Country Elevators	15,557,532	4.447	10,827,316	4.803
Terminal Storage	6,236,353	1.782	4,810,372	2.134
Total Carrying Charges	21,793,885	6.229	15,637,688	6.937
Interest	(1,939,580)	(.554)	1,018,487	.452
Demurrage/Despatch	(81,889)	(.023)	(499,446)	(.221)
Additional Freight — to terminals	922,521	.263	414,599	.184
— freight rate change	359,330	.103	444,893	.197
Handling and Stop-off	335	—	950	—
Drying	1,938	—	870	—
Interest and Depreciation on Wheat Board				
Hopper Cars	1,724,078	.493	1,209,389	.537
Wheat Board Administrative Expenses	4,391,658	1.255	2,844,951	1.262
Total Operating Costs	27,172,276	7.766	21,072,381	9.348
Surplus on Operations	46,643,070	13.331	26,417,209	11.718
Add: Interest earned after October 19				
(1988-89 September 30)	1,205,376	.344	843,053	.374
Deduct: Cost of issuing Final Payment	40,285	.011	34,023	.015
Deduct: Rebate on Producer Cars	14,790	.004	12,197	.005
Balance for Distribution to Producers	\$ 47,793,371	\$ 13.660	\$ 27,214,042	\$ 12.072





**TABLE D**

**PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF AMBER DURUM WHEAT  
BASIS IN STORE THUNDER BAY OR VANCOUVER**

Grade	Initial Payments	Final Payments (dollars per tonne)	Total
No. 1 Canada Western Amber Durum	\$150.00	\$13.851	\$163.851
No. 2 Canada Western Amber Durum	147.00	11.471	158.471
No. 3 Canada Western Amber Durum	143.00	10.371	153.371
No. 4 Canada Western Amber Durum	125.00	18.162	143.162
No. 5 Canada Western Amber Durum	100.00	38.162	138.162

**POOL ACCOUNT — AMBER DURUM WHEAT**

**Initial Payments**

At the beginning of the crop year the Board was authorized to purchase amber durum wheat from producers at a fixed initial price of \$150.00 per tonne for No. 1 Canada Western Amber Durum Wheat.

**Supplies of Amber Durum Wheat**

Supplies of amber durum wheat in the 1989-90 Pool were 3 951 019 tonnes, comprised of 3 498 752 tonnes delivered by producers, 27 482 tonnes acquired from other than producers, and 424 785 tonnes purchased from the previous pool.

**Grade Pattern**

Receipts of Nos. 1, 2 and 3 Canada Western Amber Durum totaled 3.139 million tonnes or 89.73 per cent of total producer deliveries. Approximately .50 per cent of producer deliveries graded tough while .05 per cent graded damp.

**Final Statement of Operations and Surplus for  
Distribution to Producers — Amber Durum Wheat —  
Table C**

Table C shows the operating results of the Pool Account for the crop year. Marketing operations resulted in a surplus of \$46,643,070. Operating expenses totaled \$27,172,276 for the year or \$7.766 per tonne. The principal cost was carrying charges amounting to \$21,793,885 or \$6.229 per tonne. After allowing for producer car rebates, the cost of issuing the final payment and estimated interest earnings subsequent to October 19, 1990,

the net surplus for distribution to producers was \$47,793,371. This amount represents an overall average of \$13.660 per tonne on producer deliveries of 3 498 752 tonnes. Table D shows the total payments received by producers for the principal grades of amber durum wheat delivered during the crop year. This table shows the total price realized by producers for No. 1 Canada Western Amber Durum Wheat of \$163.851 per tonne, compared to \$204.482 per tonne for the previous pool.

**POOL ACCOUNT — BARLEY**

Since August 1, 1975, as authorized by Order-in-Council, barley selected and accepted from producers for use in malting, pot or pearling, has been set up in a separate pool under the caption "Designated Barley". As a result, the transactions remaining in the Barley Pool Account described here consist mainly of marketing results related to feeding grades of barley.

**Initial Payments**

At the beginning of the crop year the Board was authorized to purchase barley from producers at fixed initial prices of \$85.00 and \$82.00 per tonne for Nos. 1 and 2 Canada Western Barley respectively. Effective October 5, 1989, initial prices for Nos. 1 and 2 Canada Western Barley were increased to \$100.00 and \$97.00 per tonne respectively.

**Supplies and Grade Pattern**

Supplies in the regular Feed Barley Pool were 3 552 714 tonnes comprised of 3 067 088 tonnes delivered by producers, 17 436 tonnes acquired from other than producers, and





TABLE E

**STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION TO PRODUCERS  
ON THE 1989-90 POOL ACCOUNT — BARLEY**  
For the period August 1, 1989, to September 30, 1990  
with prior year figures for the 1988-89 Pool Account for comparison

	1989-90 Pool Account		1988-89 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
Receipts from Producers	3 067 088 tonnes		4 035 425 tonnes	
Sales Value	\$394,905,079	\$128.756	\$524,616,931	\$130.003
Initial Payments to Producers	305,790,879	99.701	483,922,812	119.919
Gross Surplus	89,114,200	29.055	40,694,119	10.084
Deduct Operating Costs:				
Carrying Charges:				
Country Elevators	9,327,125	3.041	10,930,743	2.709
Terminal Storage	1,426,806	.465	2,425,508	.601
Total Carrying Charges	10,753,931	3.506	13,356,251	3.310
Interest	(7,600,719)	(2.478)	288,533	.072
Demurrage/Despatch	1,074,813	.350	(334,009)	(.083)
Additional Freight — to terminals	5,639,416	1.839	1,755,367	.435
— freight rate change	126,040	.041	1,581,659	.392
Handling and Stop-off	864	—	—	—
Drying	7,914	.003	402	—
Interest and Depreciation on Wheat Board				
Hopper Cars	1,511,367	.493	2,164,871	.536
Wheat Board Administrative Expenses	3,730,064	1.216	5,092,615	1.262
Total Operating Costs	15,243,690	4.970	23,905,689	5.924
Surplus on Operations	73,870,510	24.085	16,788,430	4.160
Deduct: Interim Payment	36,805,057	12.000	—	—
	37,065,453	12.085	16,788,430	4.160
Add: Interest earned after September 30	1,611,888	.525	535,769	.133
Deduct: Cost of issuing Interim and Final Payments (1988-89 Final Payment only)	129,003	.042	62,033	.015
Deduct: Rebate on Producer Cars	41,044	.013	55,037	.014
Balance for Distribution to Producers	\$ 38,507,294	\$ 12.555	\$ 17,207,129	\$ 4.264



**TABLE F**

**PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF BARLEY  
BASIS IN STORE THUNDER BAY OR VANCOUVER**

Grade	Initial Payments	Interim Payment (dollars per tonne)	Final Payments	Total
<b>Barley Grades</b>				
No. 1 Canada Western	\$100.00	\$12.00	\$12.384	<b>\$124.384</b>
No. 2 Canada Western	97.00	12.00	14.694	<b>123.694</b>
Mixed Grain Canada Western Barley	87.45	12.00	12.384	<b>111.834</b>

468 190 tonnes purchased from the previous pool. Deliveries of Nos. 1 and 2 Canada Western Barley comprised 99.81 per cent of the producer deliveries in the pool. Board receipts of tough and damp barley made up 1.60 per cent of deliveries.

**Final Statement of Operations and Surplus for  
Distribution to Producers — Barley — Table E**

Table E shows the operating results of the Pool Account for the crop year. Marketing operations resulted in a surplus of \$73,870,510. Operating expenses totaled \$15,234,690 for the year or \$4.970 per tonne. The principal cost was carrying charges amounting to \$10,753,931 or \$3.506 per tonne. After deducting the interim payment of \$36,805,057 made to producers in October, 1990, providing for producer car rebates of \$41,044, allowing for the cost of issuing the interim and final payments, and estimated interest earnings subsequent to September 30, 1990, the net surplus for distribution to producers was \$38,507,294. This amount represents an overall average of \$12.555 per tonne on producer deliveries of 3 067 088 tonnes. Table F shows the total payments received by producers for the principal grades of barley delivered during the crop year.

**POOL ACCOUNT — DESIGNATED BARLEY**

As stated previously, since August 1, 1975, as authorized by Order-in-Council, barley selected and accepted from producers for use in malting, pot or pearling, has been set up in a separate pool account. This account has been labeled "Designated Barley" and the results of operations on this account with comment thereon are contained in this section of the report.

**Initial Payments**

At the beginning of the crop year the Board was authorized to purchase designated barley from producers at a fixed initial price of \$105.00 per tonne for Special Select Canada Western Six-Row (Special Select CW 6-Row) and \$115.00 per tonne for Special Select Canada Western Two-Row (Special Select CW 2-Row). Effective October 5, 1989, initial prices were increased to \$135.00 per tonne for Special Select CW 6-Row and \$145.00 for Special Select CW 2-Row. On January 9, 1990, initial prices were increased to \$160.00 per tonne for Special Select CW 6-Row and \$170.00 for Special Select CW 2-Row.

**Supplies and Grade Pattern**

Supplies of barley in the Designated Pool were 843 496 tonnes representing deliveries to the Board by producers during the crop year of barley which has been selected and accepted by purchasers for the use in malting, pot or pearling. Of these receipts 374 437 tonnes or 44.39 per cent were Special Select grades and 388 577 tonnes or 46.07 per cent were Select grades. Receipts of tough and damp grades totaled 9 501 tonnes or 1.13 per cent of total.

**Final Statement of Operations and Surplus for  
Distribution to Producers — Designated Barley —  
Table G**

Table G shows the operating results of this Pool Account for the crop year. Marketing operations resulted in a surplus of \$35,224,748. As to operating costs, it should be noted that the Designated Barley Pool by its very nature does not incur the handling expenses normally related to feeding grades of barley or other grains. It is not stored by the Board, being selected by the processor (buyer) from a



TABLE G

**STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION TO PRODUCERS  
ON THE 1989-90 POOL ACCOUNT — DESIGNATED BARLEY**  
For the period August 1, 1989, to September 30, 1990  
with prior year figures for the 1988-89 Pool Account for comparison

	1989-90 Pool Account		1988-89 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
Receipts from Producers	<u>843 496 tonnes</u>		<u>1 074 488 tonnes</u>	
Sales Value	\$170,705,524	\$202.379	\$231,435,674	\$215.391
Initial Payments to Producers	138,126,408	163.755	195,921,451	182.339
Gross Surplus	<u>32,579,116</u>	<u>38.624</u>	<u>35,514,223</u>	<u>33.052</u>
Deduct Operating Costs:				
Interest	(4,087,105)	(4.845)	(3,266,267)	(3.040)
Demurrage/Despatch	—	—	(48,094)	(.045)
Interest and Depreciation on Wheat Board Hopper Cars	415,649	.493	576,427	.537
Wheat Board Administrative Expenses	1,025,824	1.216	1,355,979	1.262
Total Operating Costs	<u>(2,645,632)</u>	<u>(3.136)</u>	<u>(1,381,955)</u>	<u>(1.286)</u>
Surplus on Operations	35,224,748	41.760	36,896,178	34.338
Deduct: Interim Payment	21,087,398	25.000	16,117,320	15.000
	14,137,350	16.760	20,778,858	19.338
Add: Interest earned after September 30	709,120	.841	935,670	.871
Deduct: Cost of issuing Interim and Final Payments	24,269	.029	29,077	.027
Balance for Distribution to Producers	<u>\$ 14,822,201</u>	<u>\$ 17.572</u>	<u>\$ 21,685,451</u>	<u>\$ 20.182</u>

TABLE H

**PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF DESIGNATED BARLEY  
BASIS IN STORE THUNDER BAY OR VANCOUVER**

Grade	Initial Payments	Interim Payment	Final Payments	Total
		(dollars per tonne)		
<b>Designated Barley Grades</b>				
Special Select Canada Western Two-Row	\$170.00	\$25.00	\$15.911	\$210.911
Special Select Canada Western Six-Row	160.00	25.00	16.411	201.411
Select Canada Western Two-Row	165.00	25.00	18.411	208.411
Select Canada Western Six-Row	155.00	25.00	18.911	198.911



producer's sample and is shipped on buyer's call directly from farm to processing plant via the country elevator. As a result, the only expenses attributable to such barley were costs related to hopper cars owned by the Wheat Board and administrative charges totaling \$1,441,473 or \$1.709 per tonne. These expenses were reduced by interest earnings of \$4,087,105 or \$4.845 per tonne. After deducting the interim payment of \$21,087,398 made to producers in October, 1990, providing for the cost of issuing the interim and final payments, and adding estimated interest earnings subsequent to September 30, 1990, the net surplus for distribution to producers was \$14,822,201 or \$17.572 per tonne on producer deliveries of 843 496 tonnes. Table H shows the total payments received by producers for the principal grades of designated barley delivered during the crop year.





## NOTES TO FINANCIAL STATEMENTS

The following are an integral part of the financial statements.

### (1) ACCOUNTING POLICIES

#### (a) Operating Results and Valuation of Stocks of Grain

The annual accounts at July 31 include the final operating results of all pool accounts for the crop year ended July 31, where marketing operations have been completed before the issuance of the annual report for that year. In determining the financial results for such pools, the accounts of the Board at July 31 include:

(i) the stocks of such grains on hand at that date at the values which were ultimately received from the sale thereof basis instore Thunder Bay, Vancouver or Churchill; and

(ii) provision for all expenses incurred or to be incurred before the sales proceeds are realized in cash or in bills of exchange, including a charge for the portion of administrative and general expenses to be incurred subsequent to July 31 but relating to the marketing and accounting for the grains in the various pools before they are closed.

For pool accounts for which marketing operations have not been completed before the issuance of the annual report, the unsold stocks at July 31 are valued at cost, which is the initial price paid to producers, and no provision is made for carrying costs, interest, and administrative expenses beyond that date. Any debit or credit balance in these accounts is carried on the balance sheet.

#### (b) Foreign Currency Translations

Bills of exchange receivable in United States funds which are covered by forward exchange contracts are translated at the contract rates. In all other cases, bills of exchange receivable and bank loans payable in United States funds are translated at the rate of exchange in effect as at the balance sheet date.

Foreign exchange adjustments arising from conversion of bills of exchange and bank loans are included in operating results.

#### (c) Depreciation

The rates of depreciation being applied are intended to fully depreciate assets over their expected lives and are as follows:

Hopper cars .....	30 years
Office building .....	40 years
Office furniture and equipment .....	10 years
Automotive equipment .....	2 years
(to 1/3 residual value)	

#### (d) Administration and General Expenses

Administration and general expenses, except for that portion of such expenses attributable to distributing final payments to producers, are allocated to the various pool account operations to which the services relate on the basis of the relative tonnage. Expenses attributable to final payments are allocated on the basis of the number of producers receiving payments from the various pool accounts.

### (2) BILLS OF EXCHANGE PLUS ACCRUED INTEREST

Of the total bills of exchange receivable, \$1,981,139,867 (1989 — \$1,619,309,884) represents the Canadian equivalent of \$1,720,187,433 (1989 — \$1,371,366,772) repayable in United States funds.

The balances receivable arise from sales of grain to Algeria, Brazil, Bangladesh, Egypt, Ethiopia, Haiti, Iraq, Israel, Jamaica, Mexico, Peru, Poland, U.S.S.R. and Zambia. The terms call for payment in full within 36 months or less from time of shipment, except for Brazil, Egypt, Haiti, Jamaica, Mexico, Peru, Poland and Zambia where the Board, together with the Canadian Government, have agreed to reschedule certain receivables beyond their original maturity dates. Terms of such reschedulings call for payment of interest and the rescheduled debt within 15 years. As at July 31, 1990, total reschedulings amounted to \$3,323,435,622 including \$1,252,017,849 which is the Canadian equivalent of \$1,087,104,149 receivable in United States funds.

During the crop year the Board together with the Government of Canada initialed a bilateral rescheduling agreement with Poland, rescheduling over a 15-year period amounts due and not paid, on all prior resched-



uling agreements to December 31, 1989, including post maturity interest. This agreement was signed subsequent to the crop year. Under this agreement the amounts which were due to mature in the period January 1, 1990, to March 31, 1991, have also been rescheduled. Seventy percent of the interest accruing from January 1, 1990, to March 31, 1991, on the amounts due and not paid on all prior rescheduling agreements is included in this rescheduling agreement, with the balance payable on or before March 31, 1991. As at July 31, 1990, the amounts subject to this rescheduling total \$944,217,350 which includes the Canadian equivalent of \$354,185,997 receivable in United States funds. Of these respective amounts, a total of \$758,653,424, which includes the Canadian equivalent of \$280,005,290 receivable in United States funds, had matured by July 31, 1990, and had been consolidated in the new rescheduling agreement.

During the crop year, the Board together with the Government of Canada concluded a bilateral rescheduling agreement with Zambia, rescheduling over a 10-year period amounts due and not paid at December 31, 1985, and amounts due and not paid for the period January 1, 1986, to December 31, 1986. The accounts of the Board at July 31, 1990, included \$14,668,425 which was subject to this rescheduling.

During the crop year, ending July 31, 1990, the Government of Canada and other creditor nations agreed to a further deferral of certain Zambian obligations that had earlier been rescheduled. The bilateral agreement to reschedule payments due and not paid at June 30, 1990, and falling due in the period July 1, 1990, to December 31, 1991, has yet to be negotiated. The accounts of the Board at July 31, 1990, included \$30,426,898 which will be subject to this rescheduling. As at July 31, 1990, of this total, \$26,281,757 had already matured and was already subject to this agreement.

During the crop year, ending July 31, 1990, the Government of Canada and other creditor nations agreed to a further deferral of certain Jamaican obligations. Principal amounts due and not paid for the period December 1, 1989, to May 31, 1991, are to be rescheduled under this agreement. The accounts of the Board at July 31, 1990, include \$1,720,502 which will be subject to this rescheduling. As at July 31, 1990, none of the \$1,720,502 had matured.

Subsequent to the year end the Board together with the Government of Canada amended a previous bilateral rescheduling agreement with Haiti. This amendment incorporated into the previous rescheduling agreement amounts due and unpaid at September 30, 1990, resulting from wheat sales occurring in 1985. The accounts of the Board at July 31, 1990, included \$5,717,736 which formed the total amount involved in the amended rescheduling agreement.

Credit sales are made within limits established by the Government of Canada which guarantees the Board's borrowings incurred to finance such sales, both as to principal and interest. Because of these guarantees, the Board does not consider itself to be at risk should any of the unpaid amounts prove to be uncollectable; therefore, no provision is made in its accounts with respect to the possibility of debtors defaulting on their obligations.

### (3) ACCOUNTS RECEIVABLE

Settlement on amounts due on completed sales as at July 31 were received shortly after that date. Sundry accounts receivable consists mainly of freight costs which are recovered on completed sales.

### (4) COVERED HOPPER CARS

The Board purchased 2,000 covered hopper cars in 1979-80 having an original cost of \$90,555,623. Of these 2,000 cars, 45 cars have been wrecked and dismantled leaving 1,955 still in the fleet having an original cost of \$88,518,121 with accumulated depreciation of \$30,983,516 to July 31, 1990. The Board is reimbursed for destroyed cars under an operating agreement with the Canadian National Railway.

### (5) LIABILITY TO BANKS

Details of liability to banks are as follows:

	July 31	
	1990	1989
Ordinary Operations		
Funds on Deposit	\$ (141,351,592)	\$ (88,352,406)
Loans to finance		
credit sales	4,648,568,719	3,707,960,437
	<u>\$4,507,217,127</u>	<u>\$3,619,608,031</u>





Of the total liability \$1,979,709,692 (1989 — \$1,605,838,592) represents the Canadian equivalent of \$1,718,945,638 (1989 — \$1,359,958,157) repayable in United States funds.

The Board's borrowings are guaranteed by the Government of Canada.

**(6) LIABILITY TO AGENTS FOR GRAIN PURCHASED FROM PRODUCERS**

Grain companies, acting in the capacity of agents of the Board, accept deliveries from producers at country elevators and pay the producers on behalf of the Board based on the Board's initial price in effect. Settlement is not made by the Board for these purchases until delivery to the Board is completed by its agents at terminal or mill position. Liability to agents amounting to \$551,700,354 (1989 — \$569,415,254) represents the amount payable by the Board to its agents for 3 734 428 (1989 — 3 809 559) tonnes of grain on hand at country elevator points and in transit at July 31 for which delivery to and settlement by the Board is to be completed subsequent to year end date.

**(7) LIABILITY TO AGENTS FOR DEFERRED CASH TICKETS**

Grain companies, as agents of the Board, deposit with the Board in trust an amount equal to the deferred cash tickets issued for Board grain. These monies are returned to the grain companies to cover producer-deferred cash tickets maturing predominately during the first days of the following calendar year.

**(8) ACCRUED EXPENSES AND ACCOUNTS PAYABLE**

This item principally comprises accrued carrying charges, storage, interest and transportation charges to July 31, 1990, together with all other unpaid sundry accounts as at the foregoing date. It also includes provisions for all

charges relating to the marketing of pool accounts for the period from August 1, 1990, to completion of operations on September 30, 1990, for barley and designated barley, and October 19, 1990, for wheat and amber durum wheat.

**(9) SPECIAL ACCOUNT — NET BALANCE OF UNDISTRIBUTED PAYMENT ACCOUNTS**

In accordance with the provision of Section 30 of the Canadian Wheat Board Act, the Governor in Council may authorize the Board to transfer to a Special Account the unclaimed balances remaining in payment accounts which have been payable to producers for a period of six years or more. In addition to providing for payment of proper claims from producers against these old payment accounts, the Section further provides that these funds shall be used for purposes as the Governor in Council, upon the recommendations of the Board, may deem to be for the benefit of producers.

**(10) PROVISION FOR FINAL PAYMENT EXPENSES**

This item represents the balance of the Board's reserve for final payment expenses of pool accounts that have been closed. Six years after particular accounts have been closed, the remaining reserves for these pools are transferred to the special account by Order-in-Council.

**(11) LEASE COMMITMENTS**

The Board, as an agent of Her Majesty in Right of Canada, is the lessor of 2,000 covered hopper cars for the Government of Canada. All lease costs are recoverable from the government and are not a charge to the operations of the Board. Total payments associated with leases in the year ended July 31, 1990, amounting to \$15,106,298 (1989 — \$13,908,244) have been recovered by the Board. Lease terms are for 20 and 25 years.



## ACKNOWLEDGEMENTS

The Board wishes to express its appreciation for the efforts that were made by the officers and employees of the country elevator companies, export agents, lake vessel operators, and all those who participated in the sale and shipment of Prairie grain.

We would also like to record our appreciation for the loyal and conscientious services rendered by officers and staff of the Board.

This report is respectfully submitted.

L. F. Hehn  
Chief Commissioner

F. M. Hetland  
Assistant Chief Commissioner

W. H. Smith  
Commissioner

R. H. Klassen  
Commissioner

G. P. Machej  
Commissioner





## **INDEX TO FINANCIAL STATEMENTS** **July 31, 1990**

### **Exhibit I** **Balance Sheet**

### **Exhibit II** **Statement of Operations, 1989-90 Pool Account — Wheat**

### **Exhibit III** **Statement of Operations, 1989-90 Pool Account — Amber Durum Wheat**

### **Exhibit IV** **Statement of Operations, 1989-90 Pool Account — Barley**

### **Exhibit V** **Statement of Operations, 1989-90 Pool Account — Designated Barley**

### **Exhibit VI** **Statement of Administrative and General Expenses and Allocations to Operations for the Year ended July 31, 1990**

### **Exhibit VII** **Statement of Advance Payments to Producers under the Prairie Grain Advance Payments Act**

### **Exhibit VIII** **Statement of Special Account Transactions**

## **AUDITORS' REPORT**

## **NOTES:**



## EXHIBIT I

### THE CANADIAN WHEAT BOARD BALANCE SHEET AS AT JULY 31, 1990 (with prior year figures for comparison)

	1990	1989
<b>ASSETS</b>		
Stocks of grain: (Note 1[a])		
— Wheat .....	\$ 624,797,702	\$ 646,419,957
— Durum .....	148,783,030	130,206,714
— Oats .....	—	26,098,738
— Designated Oats .....	—	2,688,284
— Barley .....	58,712,133	187,609,928
— Designated Barley .....	16,738,826	31,308,222
	<u>849,031,691</u>	<u>1,024,331,843</u>
Bills of exchange plus accrued interest (Note 2) .....	4,625,484,239	3,701,171,827
Accounts receivable (Note 3)		
Amounts due on completed sales .....	15,234,576	53,450,801
Sundry .....	20,980,637	17,761,236
Prairie Grain Advance Payments Act .....	39,135,534	44,633,801
Due from the Government of Canada		
re: deficit on Pool Account Operations:		
1988-89 Pool Account — Oats .....	—	32,361,239
The Canadian Wheat Board Building, Winnipeg, at cost less depreciation .....	1,507,216	1,611,503
Covered hopper cars, at cost less depreciation (Note 4) .....	57,534,605	60,516,037
Office furniture, equipment and automobiles, at cost less depreciation .....	1,187,661	1,190,416
Deferred and prepaid expenses .....	1,653,857	1,999,562
	<u>\$5,611,750,016</u>	<u>\$4,939,028,265</u>



	1990	1989
<b>LIABILITIES</b>		
Liability to banks (Note 5) .....	\$4,507,217,127	\$3,619,608,031
Liability to agents for grain purchased from producers (Note 6) .....	551,700,354	569,415,257
Liability to agents for deferred cash tickets (Note 7) .....	113,558,903	102,811,770
Accrued expenses and accounts payable (Note 8) .....	71,990,424	86,520,811
Outstanding adjustment and final payment cheques to producers:		
— Wheat .....	839,201	454,024
— Durum .....	105,654	305,741
— Oats .....	4,796	19,060
— Designated Oats .....	1,186	—
— Barley .....	59,609	44,627
— Designated Barley .....	46,897	8,396
Special Account — net balance of undistributed payment accounts (Note 9) ....	5,022,637	4,272,574
Provision for final payment expenses (Note 10) .....	2,211,626	2,734,927
Surpluses resulting from operations:		
Pool Account:		
— Wheat .....	203,253,274	469,403,586
— Durum .....	46,643,070	26,417,209
— Designated Oats .....	—	3,327,644
— Barley .....	73,870,510	16,788,430
— Designated Barley .....	35,224,748	36,896,178
	<u>\$5,611,750,016</u>	<u>\$4,939,028,265</u>



## EXHIBIT II

### THE CANADIAN WHEAT BOARD 1989-90 POOL ACCOUNT — WHEAT

For the period August 1, 1989, to completion of operations on October 19, 1990  
(with prior year figures for the 1988-89 Pool Account for comparison)

#### Wheat acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....  
Net tonnes acquired from the adjustment of overages and shortages, etc., at country and  
terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver .....  
Purchased from prior year Pool Account — Wheat .....

#### Wheat sold:

Completed sales to July 31 basis in store Thunder Bay, Vancouver or Churchill:  
Domestic .....  
Export .....  
Weight losses in transit and in drying .....

Wheat stocks — being Wheat stocks on hand at July 31 stated at the ultimate value received  
from the sale thereof, basis in store Thunder Bay, Vancouver or Churchill:

Completed sales for the period subsequent to July 31:  
Domestic .....  
Export .....  
Sale to the subsequent Pool Account — Wheat .....

Surplus on Wheat transactions .....

#### Operating costs:

Carrying charges:  
Carrying charges on Wheat stored in country elevators .....  
Storage on Wheat stored in terminal elevators .....

Interest, bank charges and net interest on other Board accounts .....  
Demurrage/Despatch .....  
Additional freight — Wheat shipped from country stations to terminal position .....  
— freight rate change .....  
Handling and stop-off on Wheat warehoused at interior terminals .....  
Drying charges .....  
Interest and depreciation on Wheat Board hopper cars .....  
Wheat Board administrative and general expenses .....

Surplus on operations of the Board on the Pool Account — Wheat, for the period from  
August 1, 1989, to October 19, 1990 (1988-89 September 30, 1989) .....





## STATEMENT OF OPERATIONS

1989-90		1988-89	
Tonnes	Amount	Tonnes	Amount
16 682 883	\$2,635,281,090	14 218 367	\$2,377,546,508
111 848	19,477,505	135 496	23,334,599
1 607 091	316,768,543	—	—
<u>18 401 822</u>	<u>2,971,527,138</u>	<u>14 353 863</u>	<u>2,400,881,107</u>
1 395 857		1 437 233	
12 724 571		9 691 155	
1 706		471	
<u>14 122 134</u>	<u>2,680,176,574</u>	<u>11 128 859</u>	<u>2,281,180,323</u>
420 480		258 526	
2 004 965		1 359 387	
1 854 243		1 607 091	
<u>4 279 688</u>	<u>624,797,702</u>	<u>3 225 004</u>	<u>646,419,957</u>
<u>18 401 822</u>	<u>3,304,974,276</u>	<u>14 353 863</u>	<u>2,927,600,280</u>
	<u>333,447,138</u>		<u>526,719,173</u>
	81,947,913		43,576,178
	25,171,463		14,168,229
	<u>107,119,376</u>		<u>57,744,407</u>
	(24,312,632)		(33,651,756)
	(66,282)		(3,302,045)
	15,814,413		9,266,321
	2,389,795		1,675,231
	62,126		(19,809)
	76,344		32,299
	8,220,815		7,627,680
	20,889,909		17,943,259
	<u>130,193,864</u>		<u>57,315,587</u>
	<u>\$ 203,253,274</u>		<u>\$ 469,403,586</u>



### EXHIBIT III

## THE CANADIAN WHEAT BOARD 1989-90 POOL ACCOUNT — AMBER DURUM WHEAT

For the period August 1, 1989, to completion of operations on October 19, 1990  
(with prior year figures for the 1988-89 Pool Account for comparison)

#### Durum acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....  
Net tonnes acquired from the adjustment of overages and shortages, etc., at country and  
terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver .....  
Purchased from prior year Pool Account — Durum .....

#### Durum sold:

Completed sales to July 31 basis in store Thunder Bay, Vancouver or Churchill:  
Domestic .....  
Export .....  
Weight losses in transit and in drying .....

Durum stocks — being Durum stocks on hand at July 31 stated at the ultimate value received  
from the sale thereof, basis in store Thunder Bay, Vancouver or Churchill:

Completed sales for the period subsequent to July 31:  
Domestic .....  
Export .....  
Sale to the subsequent Pool Account — Durum .....

Surplus on Amber Durum Wheat transactions .....

#### Operating costs:

Carrying charges:  
Carrying charges on Durum stored in country elevators .....  
Storage on Durum stored in terminal elevators .....

Interest and bank charges .....  
Demurrage/Despatch .....  
Additional freight — Durum shipped from country stations to terminal position .....  
— freight rate change .....  
Handling and stop-off on Durum warehoused at interior terminals .....  
Drying charges .....  
Interest and depreciation on Wheat Board hopper cars .....  
Wheat Board administrative and general expenses .....

Surplus on operations of the Board on the Pool Account — Durum, for the period from  
August 1, 1989, to October 19, 1990 (1988-89 September 30, 1989) .....



## STATEMENT OF OPERATIONS

1989-90		1988-89	
Tonnes	Amount	Tonnes	Amount
3 498 752	\$502,789,898	2 254 359	\$420,780,711
27 482	3,921,707	17 902	3,306,710
424 785	77,630,578	200 258	33,626,638
<u>3 951 019</u>	<u>584,342,183</u>	<u>2 472 519</u>	<u>457,714,059</u>
178 920		128 456	
2 612 712		1 627 519	
1 348		2 537	
<u>2 792 980</u>	<u>509,374,499</u>	<u>1 758 512</u>	<u>374,996,935</u>
48 398		36 667	
566 249		252 555	
543 392		424 785	
<u>1 158 039</u>	<u>148,783,030</u>	<u>714 007</u>	<u>130,206,714</u>
<u>3 951 019</u>	<u>658,157,529</u>	<u>2 472 519</u>	<u>505,203,649</u>
	<u>73,815,346</u>		<u>47,489,590</u>
	15,557,532		10,827,316
	6,236,353		4,810,372
	21,793,885		15,637,688
	(1,939,580)		1,018,487
	(81,889)		(499,446)
	922,521		414,599
	359,330		444,893
	335		950
	1,938		870
	1,724,078		1,209,389
	4,391,658		2,844,951
	<u>27,172,276</u>		<u>21,072,381</u>
	<u>\$ 46,643,070</u>		<u>\$ 26,417,209</u>



## EXHIBIT IV

### THE CANADIAN WHEAT BOARD 1989-90 POOL ACCOUNT — BARLEY

For the period August 1, 1989, to completion of operations on September 30, 1990  
(with prior year figures for the 1988-89 Pool Account for comparison)

#### Barley acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....  
Net tonnes acquired from the adjustment of overages and shortages, etc., at country and  
terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver .....  
Purchased from prior year Pool Account — Barley .....

#### Barley sold:

Completed sales to July 31 basis in store Thunder Bay, Vancouver or Churchill .....  
Weight losses in transit and in drying .....  
Barley stocks — being Barley stocks on hand at July 31 stated at the ultimate value  
received from the sale thereof, basis in store Thunder Bay, Vancouver or Churchill:  
Completed sales for the period subsequent to July 31 .....  
Sales to the subsequent Pool Account — Barley .....

Surplus on Barley transactions .....

#### Operating costs:

Carrying charges:  
Carrying charges on Barley stored in country elevators .....  
Storage on Barley stored in terminal elevators .....  
Interest and bank charges .....  
Demurrage/Despatch .....  
Additional freight — Barley shipped from country stations to terminal position .....  
— freight rate change .....  
Handling and stop-off on Barley warehoused at interior terminals .....  
Drying charges .....  
Interest and depreciation on Wheat Board hopper cars .....  
Wheat Board administrative and general expenses .....

Surplus on operations of the Board on the Pool Account — Barley, for the period  
from August 1, 1989, to September 30, 1990 (1988-89 September 30, 1989) .....





## STATEMENT OF OPERATIONS

1989-90		1988-89	
Tonnes	Amount	Tonnes	Amount
3 067 088	\$305,790,879	4 035 425	\$483,922,812
17 436	1,769,992	69 065	5,797,698
468 190	59,307,067	—	—
<u>3 552 714</u>	<u>366,867,938</u>	<u>4 104 490</u>	<u>489,720,510</u>
3 009 602	397,270,005	2 672 893	342,804,701
30	—	54	—
485 239	53,130,142	963 353	128,302,861
57 843	5,581,991	468 190	59,307,067
<u>3 552 714</u>	<u>455,982,138</u>	<u>4 104 490</u>	<u>530,414,629</u>
	89,114,200		40,694,119
	9,327,125		10,930,743
	1,426,806		2,425,508
	10,753,931		13,356,251
	(7,600,719)		288,533
	1,074,813		(334,009)
	5,639,416		1,755,367
	126,040		1,581,659
	864		—
	7,914		402
	1,511,367		2,164,871
	3,730,064		5,092,615
	15,243,690		<u>23,905,689</u>
	<u>\$ 73,870,510</u>		<u>\$ 16,788,430</u>



## EXHIBIT V

### THE CANADIAN WHEAT BOARD 1989-90 POOL ACCOUNT — DESIGNATED BARLEY

For the period August 1, 1989, to completion of operations on September 30, 1990  
(with prior year figures for the 1988-89 Pool Account for comparison)

#### Designated Barley acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....

#### Designated Barley sold:

Completed sales to July 31 basis in store Thunder Bay or Vancouver .....

Designated Barley stocks — being Designated Barley stocks on hand at July 31 stated at the  
ultimate value received from the sale thereof, basis in store Thunder Bay or Vancouver:

Completed sales for the period subsequent to July 31 .....

Surplus on Designated Barley transactions .....

#### Operating costs:

Interest .....

Demurrage/Despatch .....

Interest and depreciation on Wheat Board hopper cars .....

Wheat Board administrative and general expenses .....

Surplus on operations of the Board on the Pool Account — Designated Barley, for the  
period from August 1, 1989, to September 30, 1990 (1988-89 September 30, 1989) .....



## STATEMENT OF OPERATIONS

1989-90		1988-89	
Tonnes	Amount	Tonnes	Amount
<u>843 496</u>	<u>\$138,126,408</u>	<u>1 074 488</u>	<u>\$195,921,451</u>
761 788	153,966,698	942 125	200,127,452
<u>81 708</u>	<u>16,738,826</u>	<u>132 363</u>	<u>31,308,222</u>
<u>843 496</u>	<u>170,705,524</u>	<u>1 074 488</u>	<u>231,435,674</u>
	<u>32,579,116</u>		<u>35,514,223</u>
	(4,087,105)		(3,266,267)
	—		(48,094)
	415,649		576,427
	<u>1,025,824</u>		<u>1,355,979</u>
	<u>(2,645,632)</u>		<u>(1,381,955)</u>
	<u>\$ 35,224,748</u>		<u>\$ 36,896,178</u>



## EXHIBIT VI

### THE CANADIAN WHEAT BOARD STATEMENT OF ADMINISTRATIVE AND GENERAL

For the year ended July 31, 1990 (with prior year figures for comparison)

Administrative and General Expenses:	1989-90	1988-89
Salaries — Board members, officers and staff .....	\$16,547,555	\$16,246,201
Unemployment insurance, pension, group insurance, medical and other employee benefits .....	2,334,722	2,180,867
Manitoba Health and Education Tax .....	372,140	323,451
Advisory Committee .....	171,636	113,491
Rental and lighting of offices including maintenance of The Canadian Wheat Board Building .....	1,615,432	1,547,222
Telephones, telex and facsimile transmissions .....	616,699	599,370
Postage .....	845,987	682,879
Printing, stationery and supplies .....	467,183	593,153
Annual report, mini report and "Grain Matters", etc. ....	130,357	158,849
District meetings .....	31,884	22,533
Office and miscellaneous .....	896,364	694,451
Travelling and transfer of staff .....	972,995	873,706
Area Representatives .....	235,389	183,638
Legal fees and court costs .....	191,107	67,329
Audit fees .....	108,000	98,500
Computing equipment — rental and sundries .....	2,811,447	2,399,736
Repair and upkeep of office machines and equipment .....	19,615	23,177
Grain market publications and services .....	136,561	98,248
The Canadian Wheat Board share of operating expenses of Canadian International Grains Institute .....	1,124,533	1,184,256
Bonds and insurance .....	35,185	33,896
Depreciation on building, furniture, equipment and automobiles .....	348,546	358,053
Review Panel .....	113,447	—
	<u>\$30,126,784</u>	<u>\$28,483,006</u>





## EXPENSES AND ALLOCATIONS TO OPERATIONS

Allocations to Operations:	1989-90	1988-89
1. Marketing of Producers' Grain		
1989-90 Pool Account — Wheat .....	\$ 10,794,582	
1989-90 Pool Account — Durum .....	2,263,846	
1989-90 Pool Account — Barley .....	1,984,540	
1989-90 Pool Account — Designated Barley .....	545,779	
1988-89 Pool Account — Wheat .....	8,728,836	
1988-89 Pool Account — Durum .....	1,383,980	
1988-89 Pool Account — Oats .....	579,881	
1988-89 Pool Account — Designated Oats .....	154,482	
1988-89 Pool Account — Barley .....	2,477,398	
1988-89 Pool Account — Designated Barley .....	659,642	
	<u>29,572,966</u>	<u>\$28,059,138</u>
2. Distributing Final Payments to Producers		
(a) Wheat and Durum		
1988-89 Pool Account — Wheat .....	244,698	
1988-89 Pool Account — Durum .....	53,771	
1987-88 Pool Account — Wheat .....	40,009	
1987-88 Pool Account — Durum .....	8,972	
1986-87 Pool Account — Wheat .....	4,831	
1986-87 Pool Account — Durum .....	658	
1985-86 Pool Account — Durum .....	3,114	
1984-85 Pool Account — Wheat .....	3,474	
1984-85 Pool Account — Durum .....	471	
1983-84 Pool Account — Wheat .....	2,378	
1983-84 Pool Account — Durum .....	323	
	<u>362,699</u>	<u>299,170</u>
(b) Coarse Grains		
1988-89 Pool Account — Designated Oats .....	2,367	
1988-89 Pool Account — Barley .....	123,063	
1988-89 Pool Account — Designated Barley .....	26,064	
1987-88 Pool Account — Oats .....	3,155	
1987-88 Pool Account — Designated Oats .....	488	
1987-88 Pool Account — Barley .....	12,955	
1987-88 Pool Account — Designated Barley .....	3,225	
1986-87 Pool Account — Oats .....	2,002	
1986-87 Pool Account — Designated Oats .....	351	
1985-86 Pool Account — Designated Oats .....	707	
1985-86 Pool Account — Designated Barley .....	2,080	
1984-85 Pool Account — Oats .....	761	
1984-85 Pool Account — Designated Oats .....	136	
1984-85 Pool Account — Barley .....	2,217	
1984-85 Pool Account — Designated Barley .....	389	
1983-84 Pool Account — Oats .....	521	
1983-84 Pool Account — Designated Oats .....	91	
1983-84 Pool Account — Barley .....	514	
1983-84 Pool Account — Designated Barley .....	269	
	<u>191,119</u>	<u>124,698</u>
	<u>\$30,126,784</u>	<u>\$28,483,006</u>



## EXHIBIT VII

# THE CANADIAN WHEAT BOARD STATEMENT OF ADVANCE PAYMENTS TO PRODUCERS UNDER THE PRAIRIE GRAIN ADVANCE PAYMENTS ACT

As at July 31, 1990

	Cash Advances to Producers	Advances Repaid by Producers	Balance to be Refunded by Producers
1957-58 Crop Year .....	\$ 35,203,467	\$ 35,200,848	\$ 2,619
1958-59 Crop Year .....	34,369,653	34,366,768	2,885
1959-60 Crop Year .....	38,492,505	38,490,061	2,444
1960-61 Crop Year .....	63,912,550	63,905,269	7,281
1961-62 Crop Year .....	16,656,713	16,651,472	5,241
1962-63 Crop Year .....	29,251,526	29,245,974	5,552
1963-64 Crop Year .....	62,136,418	62,129,679	6,739
1964-65 Crop Year .....	32,961,844	32,955,727	6,117
1965-66 Crop Year .....	40,600,386	40,596,511	3,875
1966-67 Crop Year .....	36,668,270	36,664,915	3,355
1967-68 Crop Year .....	47,280,533	47,277,578	2,955
1968-69 Crop Year .....	151,852,319	151,771,755	80,564
1969-70 Crop Year .....	272,777,516	272,477,615	299,901
1970-71 Crop Year .....	91,105,890	91,076,244	29,646
1971-72 Crop Year .....	68,142,360	68,109,571	32,789
1972-73 Crop Year .....	20,754,104	20,743,234	10,870
1973-74 Crop Year .....	35,259,387	35,220,735	38,652
1974-75 Crop Year .....	46,635,399	46,609,707	25,692
1975-76 Crop Year .....	20,236,528	20,208,239	28,289
1976-77 Crop Year .....	130,592,220	130,483,318	108,902
1977-78 Crop Year .....	119,090,916	118,931,073	159,843
1978-79 Crop Year .....	151,316,450	151,197,705	118,745
1979-80 Crop Year .....	99,146,581	99,084,630	61,951
1980-81 Crop Year .....	61,640,150	61,600,433	39,717
1981-82 Crop Year .....	333,688,190	333,264,947	423,243
1982-83 Crop Year .....	309,022,755	308,279,371	743,384
1983-84 Crop Year .....	286,736,519	286,031,793	704,726
1984-85 Crop Year .....	201,289,320	200,493,538	795,782
1985-86 Crop Year .....	340,670,296	339,660,298	1,009,998
1986-87 Crop Year .....	642,511,850	640,527,019	1,984,831
1987-88 Crop Year .....	563,607,958	559,015,879	4,592,079
1988-89 Crop Year .....	319,522,186	312,493,763	7,028,423
* 1989-90 Crop Year .....	144,260,874	105,391,639	38,869,235
	<u>\$4,847,393,633</u>	<u>\$4,790,157,308</u>	
Balance to be refunded by Producers as at July 31, 1990 .....			57,236,325
Add: Bank interest to July 31, 1990 payable by the Government of Canada .....		174,319,664	
Less: Amount paid by the Government to July 31, 1990 .....		174,348,608	(28,944)
* Bank interest to July 31, 1990 (1989-90 Crop Year) .....		5,670,813	
Less: Amount paid by Producers to July 31, 1990 .....		2,261,059	3,409,754
			60,617,135
Deduct: Balance of funds received Government of Canada — to cover advance payments in default .....		20,428,221	
Line Elevator Companies — to cover advance payments in default .....		123,823	
Line Elevator Companies — to cover current advances .....		319,369	
Interest received on default payments .....		18,781,994	
Less: Interest forwarded to the Government of Canada .....		(18,171,806)	21,481,601
Owing to The Canadian Wheat Board as at July 31, 1990 .....			<u>\$39,135,534</u>

\* During the 1989-90 Crop Year, the Producer was required to pay interest on the cash advance. In prior years, the Government of Canada paid all the interest.



# EXHIBIT VIII

## THE CANADIAN WHEAT BOARD STATEMENT OF SPECIAL ACCOUNT TRANSACTIONS For the year ended July 31, 1990

Balance of Special Account as at July 31, 1989 .....	\$4,272,573
Transfer to Special Account authorized by Order-in-Council P.C. 1990 — 1536 from the following:	
1982 Wheat Payment Account .....	\$1,131,123
1982 Durum Payment Account .....	96,038
1982 Oats Payment Account .....	1,960
1982 Designated Oats Payment Account .....	(1,213)
1982 Designated Barley Payment Account .....	(15,724)
	<u>1,212,184</u>
	5,484,757

### Expenditures:

Authorized by Order-in-Council No.	Description of Purpose	Unexpended as at July 31, 1989	Authorized Crop Year 1989-90	Unexpended as at July 31, 1990	Expended Crop Year 1989-90
P.C. 1990 — 1537	Market Development .....	\$206,363	\$150,000	\$144,559	\$211,804
P.C. 1990 — 1538	Scholarship Program .....	43,141	306,859	143,359	206,641
P.C. 1990 — 1539	Canadian International Grains Institute — Capital Expenditures .....	52,144	600,000	609,654	42,490
		<u>\$301,648</u>	<u>\$1,056,859</u>	<u>\$897,572</u>	<u>460,935</u>
					5,023,822
Less: Payments to producers against old payment accounts .....					<u>1,185</u>
Balance of Special Account as at July 31, 1990 .....					<u>\$5,022,637</u>

As at July 31, 1990, there were unexpended authorizations totaling \$897,572 leaving an unexpended balance of \$4,125,065 in the Account.



## AUDITORS' REPORT

To The Canadian Wheat Board:

We have examined the financial statements of the Canadian Wheat Board set out as Exhibits I to VIII and notes thereto which include the balance sheet as at July 31, 1990, and the statements of operations for the 1989-90 pool accounts for wheat and amber durum wheat for the period August 1, 1989, to completion of operations on October 19, 1990, the statement of operations for the 1989-90 pool accounts for barley and designated barley for the period August 1, 1989, to completion of operations on September 30, 1990, the statement of administrative and general expenses and allocations to operations for the year ended July 31, 1990, the statement of advance payments to producers under the Prairie Grain Advance Payments Act as at July 31, 1990, and the statement of special account transactions for the year ended July 31, 1990. These financial statements are the responsibility of the Board's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with generally accepted auditing standards. Those standards require that we plan and perform an audit to obtain reasonable assurance whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation.

In our opinion, these financial statements present fairly, in all material respects, the financial position of the Board as at July 31, 1990, and the results of operations for the periods shown, in accordance with generally accepted accounting principles.

Chartered Accountants

March 1, 1991





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**TABLE I**  
**ACREAGE OF PRINCIPAL GRAINS IN THE WESTERN CANADIAN PROVINCES**  
**1966 TO 1990**

Year	Wheat	Durum	All Wheat	Oats	Barley (thousand tonnes)	Rye	Flaxseed <sup>2</sup>	Canola <sup>3</sup>	Total
1966	28,229	1,064	29,293	5,491	7,160	674	1,885	1,525	46,028
1967	28,369	1,302	29,671	5,157	7,780	631	999	1,635	45,873
1968	26,648	2,370	29,018	5,418	8,500	622	1,503	1,056	46,117
1969	21,396	3,154	24,550	5,506	8,970	786	2,321	2,022	44,155
1970	9,010	3,065	12,075	5,320	9,480	767	3,300	4,074	35,016
1971	16,722	2,272	18,994	5,405	13,508	907	1,762	5,341	45,917
1972	17,755	3,160	20,915	4,723	12,050	583	1,320	3,318	42,909
1973	20,865	2,350	23,215	5,370	11,520	584	1,450	3,205	45,344
1974	18,720	2,850	21,570	4,865	11,370	804	1,450	3,160	43,219
1975	19,205	3,650	22,855	4,710	10,590	747	1,400	4,520	44,822
1976	23,665	3,500	27,165	4,738	10,302	550	800	1,778	45,333
1977	22,475	1,800	24,275	4,220	11,330	566	1,475	3,590	45,456
1978	22,020	3,650	25,670	3,460	10,060	733	1,300	6,980	48,203
1979	22,580	2,800	25,380	2,750	8,730	745	2,300	8,420	48,325
1980	23,760	3,300	27,060	2,706	10,950	686	1,370	5,140	47,912
1981	25,856	4,200	30,056	3,068	12,730	999	1,150	3,463	51,466
1982	26,950	3,650	30,600	3,170	11,875	997	1,550	4,390	52,582
1983	29,660	3,500	33,160	2,620	9,830	956	1,065	5,750	53,381
1984	27,710	4,150	31,860	2,680	10,395	815	1,780	7,610	55,140
1985	28,920	4,300	33,220	2,710	10,800	830	1,830	6,875	56,265
1986	29,750	4,560	34,310	2,610	10,810	721	1,865	6,430	56,746
1987	27,230	5,400	32,630	2,520	11,240	725	1,460	6,560	55,135
1988	25,525	5,600	31,125	2,720	9,260	581	1,240	9,010	53,936
1989	26,325	6,450	32,775	3,480	10,535	1,189	1,480	7,125	56,584
1990 <sup>1</sup>	28,255	5,500	33,755	3,030	10,285	1,289	1,790	6,450	56,599

<sup>1</sup> Preliminary: subject to revision.

<sup>2</sup> Flaxseed acreage for British Columbia not available 1972 forward.

<sup>3</sup> Canola acreage for British Columbia not available for 1966.

Source: Statistics Canada.



**TABLE II**  
**YIELD OF PRINCIPAL GRAINS IN THE WESTERN CANADIAN PROVINCES**  
**1966 TO 1990**

Year	Wheat	Durum	All Wheat	Oats (kilograms per acre)	Barley	Rye	Flaxseed	Canola
1966	754	727	754	723	862	594	297	383
1967	533	422	528	591	666	427	228	344
1968	601	522	593	722	786	470	325	418
1969	728	716	727	760	856	437	305	376
1970	705	718	708	811	890	566	366	404
1971	744	671	735	836	930	577	322	406
1972	678	633	672	786	897	518	337	397
1973	685	600	678	796	851	566	340	382
1974	595	548	588	638	738	561	241	368
1975	730	646	716	763	856	651	317	407
1976	843	817	841	856	980	706	345	471
1977	784	709	778	848	1 004	650	442	550
1978	807	781	803	805	979	772	440	501
1979	644	643	644	770	973	627	354	405
1980	689	617	680	820	971	547	323	483
1981	810	709	796	840	1 006	833	407	530
1982	860	855	859	930	1 085	821	474	512
1983	775	749	772	826	945	775	417	453
1984	655	502	635	732	885	702	389	447
1985	729	455	694	822	976	613	493	504
1986	882	854	878	957	817	775	550	577
1987	774	743	769	969	1 119	628	499	582
1988	497	353	471	894	985	391	301	475
1989	729	635	710	817	987	698	336	430
1990 <sup>1</sup>	914	802	895	937	1 188	695	522	509

<sup>1</sup> Preliminary: subject to revision.  
Source: Statistics Canada.



**TABLE III**  
**PRODUCTION OF PRINCIPAL GRAINS IN THE WESTERN CANADIAN PROVINCES**  
**1966 TO 1990**

Year	Wheat	Durum	All Wheat	Oats	Barley (thousand tonnes)	Rye	Flaxseed <sup>2</sup>	Canola <sup>3</sup>	Total
1966	21 285	773	22 058	3 975	6 169	401	559	585	33 747
1967	15 129	550	15 679	3 046	5 178	268	229	563	24 963
1968	16 005	1 236	17 241	3 908	6 689	292	490	441	29 061
1969	15 578	2 259	17 837	4 190	7 670	343	706	760	31 506
1970	6 355	2 202	8 557	4 318	8 448	435	1 214	1 646	24 618
1971	12 446	1 524	13 970	4 522	12 571	523	567	2 166	34 319
1972	12 033	2 000	14 033	3 717	10 812	304	447	1 317	30 630
1973	14 294	1 410	15 704	4 270	9 798	328	493	1 224	31 817
1974	11 145	1 562	12 707	3 108	8 391	452	351	1 163	26 172
1975	14 013	2 357	16 370	3 596	9 051	486	444	1 839	31 786
1976	19 954	2 858	22 812	4 053	10 087	387	277	837	38 453
1977	17 622	1 276	18 898	3 580	11 380	368	653	1 973	36 852
1978	17 772	2 852	20 624	2 787	9 847	566	572	3 497	37 893
1979	14 557	1 799	16 356	2 117	7 899	467	815	3 411	31 065
1980	16 368	2 036	18 404	2 219	10 649	375	442	2 483	34 572
1981	20 945	2 977	23 922	2 578	12 804	832	468	1 837	42 441
1982	23 174	3 121	26 295	2 949	12 882	819	734	2 246	45 925
1983	22 976	2 620	25 596	2 165	9 286	741	444	2 602	40 834
1984	18 137	2 085	20 222	1 961	9 197	572	693	3 407	36 052
1985	21 089	1 957	23 046	2 227	11 061	509	902	3 467	41 212
1986	26 247	3 897	30 144	2 726	13 216	559	1 026	3 713	51 384
1987	21 076	4 014	25 090	2 442	12 580	455	729	3 817	45 113
1988	12 682	1 979	14 661	2 431	9 121	227	373	4 277	31 090
1989	19 182	4 098	23 280	2 842	10 401	830	498	3 064	40 915
1990 <sup>1</sup>	25 827	4 410	30 237	2 838	12 217	896	935	3 282	50 405

<sup>1</sup> Preliminary: subject to revision.

<sup>2</sup> Flaxseed production for British Columbia not available 1972 forward.

<sup>3</sup> Canola production for British Columbia not available for 1966.

Source: Statistics Canada.





**TABLE IV**  
**PRODUCERS' MARKETINGS – WESTERN CANADIAN GRAINS**  
**CROP YEARS 1965-66 TO 1989-90**

Crop Year	Wheat	Durum	All Wheat	Oats	Barley	Rye	Flaxseed	Canola	Total
				(thousand tonnes)					
1965-66	14 967	529	15 496	798	2 044	306	602	426	19 672
1966-67	16 577	633	17 210	593	2 454	279	511	472	21 519
1967-68	11 922	489	12 411	475	1 901	176	202	454	15 619
1968-69	10 846	670	11 516	641	1 780	97	389	399	14 822
1969-70	10 158	1 089	11 247	322	3 667	193	561	646	16 636
1970-71	8 838	1 621	10 459	898	5 136	295	856	1 395	19 039
1971-72	11 945	2 139	14 084	499	6 433	395	548	1 584	23 543
1972-73	15 359	1 875	17 234	501	5 156	235	466	1 428	25 020
1973-74	13 294	1 302	14 596	614	5 118	189	391	993	21 901
1974-75	10 182	1 315	11 497	621	4 555	265	274	935	18 147
1975-76	11 993	2 307	14 300	794	4 686	321	395	1 399	21 895
1976-77	13 410	1 532	14 942	846	5 814	301	246	1 030	23 179
1977-78	17 275	1 835	19 110	764	5 237	256	494	1 759	27 620
1978-79	12 987	1 486	14 473	363	5 364	247	425	2 945	23 817
1979-80	16 795	1 909	18 704	319	5 408	449	675	2 928	28 483
1980-81	15 902	2 722	18 624	391	6 430	354	424	2 153	28 376
1981-82	17 064	2 607	19 671	503	7 505	617	377	1 991	30 664
1982-83	22 462	2 868	25 330	365	7 023	518	536	2 016	35 788
1983-84	20 749	2 273	23 022	407	6 690	691	381	2 264	33 455
1984-85	16 398	1 784	18 182	314	5 077	331	533	2 984	27 421
1985-86	19 277	1 691	20 968	320	6 435	238	689	2 926	31 576
1986-87	19 474	2 934	22 408	457	7 448	259	777	3 364	34 713
1987-88	19 515	3 240	22 755	599	5 746	258	601	3 328	33 287
1988-89	12 073	1 791	13 864	1 095	5 571	173	295	3 493	24 491
1989-90 <sup>1</sup>	17 072	3 641	20 713	672	5 427	409	368	2 993	30 582

<sup>1</sup> Preliminary: subject to revision.

Source: Canadian Grain Commission for 1989-90.

All previous years – Statistics Canada "Grain Trade of Canada".



**TABLE V**  
**PRIMARY ELEVATOR SHIPMENTS**  
**CROP YEARS 1974-75 TO 1989-90**

Crop Year	Wheat	Durum	All Wheat	Oats	Barley (thousand tonnes)	Rye	Flaxseed	Canola	Total
1974-75	11 173	1 577	12 750	528	4 838	213	279	679	19 287
1975-76	12 363	1 881	14 244	798	5 431	316	284	741	21 814
1976-77	13 384	1 704	15 088	942	5 232	265	317	1 035	22 879
1977-78	15 498	1 876	17 374	556	5 179	260	340	1 092	24 801
1978-79	13 508	1 478	14 986	353	5 680	219	466	1 863	23 567
1979-80	16 402	2 144	18 546	564	5 733	389	490	1 893	27 615
1980-81	15 988	2 500	18 488	406	5 740	450	508	1 280	26 872
1981-82	17 643	2 638	20 281	465	7 459	507	394	1 285	30 391
1982-83	21 089	2 871	23 960	368	6 815	388	382	1 228	33 141
1983-84	21 149	2 544	23 693	414	7 086	738	528	1 446	33 905
1984-85	17 803	1 933	19 736	303	4 551	346	490	1 757	27 183
1985-86	17 481	1 438	18 919	236	5 859	283	558	1 616	27 471
1986-87	19 849	2 550	22 399	445	7 508	197	625	2 148	33 322
1987-88	20 578	3 593	24 171	523	5 674	239	554	2 273	33 434
1988-89	12 205	1 851	14 056	1 043	5 221	181	340	2 524	23 365
1989-90 <sup>1</sup>	16 519	3 547	20 066	626	5 773	362	372	2 482	29 681

<sup>1</sup> Preliminary; subject to revision.

Source: Canadian Grain Commission for 1989-90.

All previous years – Statistics Canada "Grain Trade of Canada".



**TABLE VI**  
**VESSEL SHIPMENTS OF PRINCIPAL GRAINS FROM THE LAKEHEAD**  
**CROP YEARS 1970-71 TO 1989-90**

Crop Year	Wheat	Durum	All Wheat	Oats	Barley (tousand tonnes)	Rye	Flaxseed	Canola	Total
1970-71	6 481	1 210	7 691	427	3 398	97	363	317	12 293
1971-72	7 119	1 464	8 583	418	4 193	131	406	333	14 064
1972-73	7 765	1 403	9 168	404	2 497	68	334	391	12 862
1973-74	7 040	1 182	8 222	235	2 157	102	210	143	11 069
1974-75	6 173	1 241	7 414	215	2 068	103	168	61	10 029
1975-76	7 629	1 682	9 311	492	2 223	218	121	31	12 396
1976-77	7 448	1 212	8 660	669	2 159	67	207	161	11 923
1977-78	7 424	1 649	9 073	358	2 735	158	192	83	12 599
1978-79	7 351	1 017	8 368	201	2 859	57	333	249	12 067
1979-80	8 535	1 630	10 165	298	2 231	243	280	424	13 641
1980-81	8 285	1 783	10 068	212	1 961	315	269	127	12 952
1981-82	8 739	2 019	10 758	199	2 725	372	229	136	14 419
1982-83	10 918	2 242	13 160	163	3 182	116	249	125	16 995
1983-84	11 751	2 312	14 063	138	3 555	74	345	185	18 360
1984-85	9 559	1 741	11 300	90	1 066	12	322	150	12 940
1985-86	7 828	1 162	8 990	41	1 510	12	318	145	11 016
1986-87	8 956	1 843	10 799	122	2 312	27	417	194	13 871
1987-88	7 652	2 949	10 601	130	1 350	32	404	244	12 761
1988-89	3 992	1 449	5 441	262	595	9	187	313	6 807
1989-90 <sup>1</sup>	4 771	2 476	7 247	216	342	24	211	236	8 276

<sup>1</sup> Preliminary: subject to revision.

Source: Canadian Grain Commission 451.10 for 1989-90.

All previous years – Statistics Canada "Grain Trade of Canada".



**TABLE VII**  
**CANADIAN WHEAT SUPPLIES AND DISPOSITION**  
**CROP YEARS 1970-71 TO 1990-91**

Crop Year	Inward Carryover <sup>1</sup>		Production	Total Supplies	Domestic Disappearance <sup>2</sup>		Exports <sup>1</sup>	Total
	August 1 <sup>st</sup>				Wheat and	Outward <sup>1</sup>		
	Farm	Commercial			Flour	Carryover		
							July 31 <sup>st</sup>	
(thousand tonnes)								
1970-71	14 770	12 682	9 024	36 476	2 355	2 295	11 846	19 980
1971-72	10 746	9 235	14 412	34 393	2 435	2 351	13 720	15 887
1972-73	8 477	7 410	14 515	30 402	2 384	2 381	15 692	9 945
1973-74	3 130	6 815	16 162	26 107	2 280	2 292	11 446	10 089
1974-75	2 205	7 884	13 304	23 393	2 016	2 560	10 779	8 038
1975-76	1 633	6 405	17 081	25 119	2 396	2 408	12 336	7 979
1976-77	1 578	6 401	23 587	31 566	2 523	2 289	13 436	13 318
1977-78	7 158	6 160	19 858	33 176	2 460	2 561	16 040	12 115
1978-79	5 007	7 108	21 136	33 251	2 466	2 790	13 084	14 911
1979-80	8 954	5 957	17 196	32 107	2 688	2 809	15 889	10 721
1980-81	4 273	6 448	19 292	30 013	2 732	2 509	16 262	8 510
1981-82	1 585	6 925	24 803	33 313	2 831	2 322	18 447	9 713
1982-83	3 560	6 153	26 736	36 449	2 602	2 496	21 368	9 983
1983-84	2 010	7 973	26 505	36 488	3 191	2 342	21 765	9 190
1984-85	1 735	7 455	21 199	30 389	2 914	2 294	17 583	7 598
1985-86	1 080	6 518	24 252	31 850	2 958	2 583	17 725	8 584
1986-87	775	7 799	31 377	39 951	3 956	2 481	20 783	12 731
1987-88	5 007	7 724	25 991	38 722	5 169	2 730	23 518	7 305
1988-89	2 535	4 770	15 996	23 301	3 135	2 721	12 413	5 032
1989-90	787	4 245	24 578	29 610	3 133	2 617	17 418	6 442
1990-91 <sup>4</sup>	700	5 742	31 798	38 240				

<sup>1</sup> Source: Statistics Canada.

<sup>2</sup> A residual item. Farm disappearance is computed by adding inward farm carryover and production and deducting therefrom marketings and outward farm carryover. Commercial disappearance is computed by adding inward commercial carryover and marketings and deducting therefrom outward commercial carryover and exports.

<sup>3</sup> Human food consumption in 1988-89 amounted to 2 210 000 tonnes. In 1989-90 the amount was 2 255 000 tonnes.

<sup>4</sup> Preliminary: subject to revision.





**TABLE VIII**  
**CANADIAN BARLEY SUPPLIES AND DISPOSITION**  
**CROP YEARS 1970-71 TO 1990-91**

Crop Year	Inward Carryover <sup>1</sup>		Production <sup>1</sup>	Total Supplies	Domestic Disappearance <sup>2</sup>		Exports <sup>1</sup> Wheat and Flour	Total Outward <sup>1</sup> Carryover July 31 <sup>st</sup>
	August 1 <sup>st</sup>				Farm	Commercial		
	Farm	Commercial						
	(thousand tonnes)							
1970-71	2 765	1 700	8 889	13 354	5 158	1 145	3 910	3 141
1971-72	1 342	1 799	13 098	16 239	6 121	1 270	5 020	3 828
1972-73	1 872	1 956	11 284	15 112	6 081	1 231	3 598	4 202
1973-74	1 915	2 287	10 218	14 420	5 576	1 531	2 776	4 537
1974-75	1 436	3 101	8 790	13 327	4 557	1 653	3 013	4 104
1975-76	1 110	2 994	9 510	13 614	4 837	1 688	4 326	2 763
1976-77	1 088	1 675	10 513	13 276	4 634	1 641	3 783	3 218
1977-78	1 132	2 086	11 802	15 020	4 582	1 690	3 540	5 208
1978-79	3 113	2 095	10 397	15 605	4 943	1 967	3 800	4 895
1979-80	3 200	1 695	8 478	13 373	5 139	2 142	4 086	2 006
1980-81	1 100	906	11 394	13 400	4 899	1 777	3 521	3 203
1981-82	1 140	2 063	13 724	16 927	5 370	1 424	6 002	4 131
1982-83	1 950	2 181	13 965	18 096	5 631	1 688	5 648	5 129
1983-84	3 225	1 904	10 209	15 338	5 656	2 174	5 537	1 971
1984-85	1 080	891	10 296	12 267	5 434	1 896	2 781	2 156
1985-86	865	1 291	12 387	14 543	5 713	1 726	3 795	3 309
1986-87	1 100	2 209	14 569	17 878	6 646	1 342	6 718	3 172
1987-88	1 570	1 602	13 957	17 129	7 273	1 555	4 594	3 707
1988-89	2 507	1 200	10 212	13 919	6 071	2 170	2 878	2 800
1989-90	1 075	1 725	11 666	14 466	6 277	1 640	4 503	2 046
1990-91 <sup>3</sup>	1 037	1 009	13 521	15 585				

<sup>1</sup> Source: Statistics Canada "Grain Trade of Canada". Includes export barley, pot and pearl barley, and malt.

<sup>2</sup> A residual item. Farm disappearance is computed by adding inward farm carryover and production and deducting therefrom marketings and outward farm carryover. Commercial disappearance is computed by adding inward commercial carryover and marketings and deducting therefrom outward commercial carryover and exports.

<sup>3</sup> Preliminary: subject to revision.



**TABLE IX**  
**CANADIAN GRAIN STORAGE POSITION 1971 TO 1990**  
**VISIBLE STOCKS OF PRINCIPAL GRAINS AS AT JULY 31<sup>st</sup> 1**

Year	Wheat	Oats	Barley	Rye	Flaxseed (thousand tonnes)	Canola	U.S. and Foreign Grains	Total	Total Capacity <sup>2</sup>
1971	9 235	528	1 799	192	409	246	143	12 552	18 885
1972	7 410	344	1 956	261	255	609	206	11 041	18 318
1973	6 815	226	2 287	221	180	460	389	10 578	17 986
1974	7 884	299	3 101	203	163	247	313	12 210	17 626
1975	6 405	392	2 994	251	155	309	124	10 630	17 868
1976	6 401	429	1 675	223	330	697	142	9 897	17 518
1977	6 160	295	2 086	289	186	174	128	9 318	16 974
1978	7 108	472	2 095	212	367	291	201	10 746	16 858
1979	5 957	417	1 695	248	244	819	255	9 635	16 748
1980	6 448	189	906	279	440	1 137	349	9 748	16 631
1981	6 925	150	2 063	169	228	924	213	10 672	16 353
1982	6 154	215	2 181	231	221	621	176	9 799	16 071
1983	7 883	175	1 904	431	347	446	117	11 303	15 739
1984	7 358	125	891	326	130	105	83	9 018	15 533
1985	6 412	124	1 291	233	119	375	105	8 659	15 503
1986	7 702	171	2 209	142	207	675	39	11 145	15 281
1987	7 597	144	1 602	165	302	449	83	10 342	15 150
1988	4 770	207	1 200	159	287	491	147	7 159	14 798
1989	4 245	271	1 725	141	132	694	82	7 189	14 507
1990 <sup>4</sup>	5 704	174	1 009	173	39	544	27	7 670	14 009

<sup>1</sup> Includes stocks in unlicensed mills and any stocks in licensed mills which have been transferred from elevator storage proper to mill or feed plants for processing.

<sup>2</sup> For all years the quantities indicate the capacity as at July 31<sup>st</sup> and include only licensed capacity.

<sup>3</sup> Metric tonnes expressed in wheat equivalent.

<sup>4</sup> Preliminary: subject to revision.



**TABLE X**  
**EXPORTS OF CANADIAN GRAIN AND GRAIN PRODUCTS**  
**CROP YEARS 1965-66 TO 1990-91**

Crop Year	Wheat <sup>1</sup>	Flour <sup>2</sup>	Oats and Oat Products	Barley and Barley Products	Rye	Flaxseed <sup>3</sup>	Canola <sup>4</sup>	Corn	Total
(thousand tonnes)									
1965-66	14 881	1 038	246	828	204	495	309	9	18 010
1966-67	13 157	867	74	1 275	253	433	313	2	16 374
1967-68	8 473	672	55	901	121	349	279	2	10 852
1968-69	7 653	670	42	575	108	355	325	6	9 734
1969-70	8 696	734	80	1 923	97	500	504	2	12 536
1970-71	11 169	676	206	3 910	227	571	1 062	5	17 826
1971-72	13 047	673	161	5 020	273	692	966	29	20 861
1972-73	15 057	636	107	3 598	209	529	1 226	21	21 383
1973-74	10 902	543	13	2 776	116	400	1 063	5	15 818
1974-75	10 229	550	22	3 013	123	273	664	4	14 878
1975-76	11 637	699	281	4 326	299	212	820	233	18 507
1976-77	12 711	725	494	3 783	168	369	1 449	180	19 879
1977-78	15 246	794	90	3 540	271	282	1 476	323	22 022
1978-79	12 302	782	17	3 800	154	514	2 287	192	20 048
1979-80	15 215	674	103	4 086	397	475	2 420	344	23 714
1980-81	15 569	693	46	3 521	446	607	2 212	1 051	24 145
1981-82	17 973	474	51	6 002	561	481	2 040	1 281	28 863
1982-83	20 956	411	105	5 648	313	471	1 752	511	30 167
1983-84	21 285	480	122	5 536	747	629	2 460	429	31 688
1984-85	17 113	470	19	2 781	376	564	2 590	569	24 482
1985-86	17 354	372	44	3 794	276	626	2 365	490	25 321
1986-87	20 353	430	257	6 718	201	693	3 648	113	32 413
1987-88	23 173	342	286	4 594	221	629	3 459	369	32 704
1988-89	12 127	286	730	2 879	115	458	3 265	20	19 880
1989-90 <sup>5</sup>	17 255	166	548	4 503	293	460	3 026	15	26 266

<sup>1</sup> Wheat exports include bagged Seed Wheat.

<sup>2</sup> Wheat equivalent.

<sup>3</sup> Flaxseed exports include Linseed Oil for all years and Linseed Oil and Meal for 1979-80.

<sup>4</sup> Canola exports for the years 1965-66 to 1972-73 do not include Canola Oil exports. The years 1973-74 onward include Canola Oil and Canola Meal exports.

<sup>5</sup> Preliminary: subject to revision.

Source: Canadian Grain Commission "Canadian Grain Exports" for 1990-91.

All previous years – Statistics Canada "Grain Trade of Canada".

TABLE XI

CANADIAN WHEAT (INCLUDING DURUM) EXPORTS BY AREAS AND COUNTRIES  
CROP YEARS 1980-81 TO 1989-90

Country	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90 <sup>1</sup>
	(thousand tonnes)									
WESTERN EUROPE:										
EC-12:										
Belgium and Luxembourg	—	16	23	10	127	100	91	336	190	140
Denmark	—	—	—	1	1	1	—	—	—	—
France	12	88	107	199	104	58	1	—	—	—
Germany, Federal Republic	1	18	1	26	3	3	21	6	11	—
Ireland	—	1	—	1	1	—	—	2	—	—
Italy	765	515	624	742	240	367	634	440	409	357
Netherlands	22	38	17	103	107	78	72	6	—	9
Portugal *	17	—	—	—	—	149	269	118	120	106
Spain *	51	—	—	—	—	—	—	—	—	15
United Kingdom	1 409	1 366	1 109	955	633	702	503	413	410	271
TOTAL EC-12:	2 277	2 042	1 881	2 037	1 216	1 458	1 591	1 321	1 140	898
OTHER WESTERN EUROPE:										
Finland	6	29	—	—	7	—	—	—	14	11
Iceland	—	—	—	—	—	—	—	—	3	7
Malta	—	—	—	—	—	—	36	—	—	60
Norway	10	57	70	148	62	68	89	128	70	83
Sweden	—	—	2	—	4	2	—	—	—	—
Switzerland	54	49	109	49	9	—	—	16	42	26
TOTAL OTHER WESTERN EUROPE:	70	135	181	197	82	70	125	144	129	187
EASTERN EUROPE:										
Bulgaria	—	—	—	—	—	216	153	40	—	—
Czechoslovakia	—	14	5	5	5	—	11	6	3	4
Germany Democratic Republic	67	—	308	73	170	48	199	104	60	64
Poland	1 091	1 674	622	52	91	22	31	—	—	33
U.S.S.R.	3 971	5 019	6 959	6 761	6 019	5 219	5 391	4 500	2 657	3 497
TOTAL EASTERN EUROPE:	5 129	6 707	7 894	6 891	6 285	5 505	5 785	4 650	2 720	3 598
TOTAL EUROPE:	7 476	8 884	9 956	9 125	7 583	7 033	7 501	6 115	3 989	4 683
AFRICA:										
Algeria	654	590	512	813	508	492	448	764	326	605
Angola	—	—	—	—	—	—	—	8	—	—
Burkina	—	—	—	—	—	—	—	—	—	1
Canary Islands	—	—	—	—	—	—	14	—	—	—
Chad	—	—	—	7	5	—	—	—	—	—
Djibouti	—	—	—	—	—	—	—	—	10	—
Ethiopia	81	45	92	49	128	93	91	230	102	74
Gabon	—	—	—	—	—	—	—	—	—	3
Ghana	25	45	24	63	37	66	40	81	67	75
Ivory Coast	—	1	—	—	—	—	—	—	—	—
Kenya	—	16	—	—	39	—	2	—	—	13
Lesotho	—	—	—	—	—	—	16	—	—	—
Libya	81	291	110	93	124	174	136	96	78	170
Mali	—	—	13	—	—	—	10	—	9	4
Mauritania	2	—	4	11	11	10	—	7	—	3
Marocco	12	15	—	—	—	—	—	22	30	11
Mozambique	5	16	25	14	21	7	21	44	62	44
Niger	—	2	4	—	2	—	—	—	2	4
Nigeria	—	—	21	66	—	133	—	—	—	—
Rwanda	—	—	1	—	—	—	—	—	—	1
Senegal	8	9	13	10	9	8	21	16	7	16
Somalia	—	7	—	—	—	—	—	—	—	—
South Africa	—	—	—	—	—	55	—	33	—	177
Sudan	—	—	—	2	4	5	3	2	—	22
Tanzania	10	13	—	13	10	—	12	—	—	—
Togo	—	—	21	23	7	8	14	15	26	19
Tunisia	23	10	—	—	—	—	25	41	17	19
Uganda	—	—	9	1	—	—	6	—	—	5
Upper Volta	—	—	3	2	—	—	—	—	—	—
Zambia	—	—	—	—	12	10	16	27	14	—
Zimbabwe	—	—	—	17	17	—	11	25	14	5
TOTAL AFRICA:	901	1 060	852	1 184	934	1 061	886	1 411	764	1 271



TABLE XI (continued)

CANADIAN WHEAT (INCLUDING DURUM) EXPORTS BY AREAS AND COUNTRIES  
CROP YEARS 1980-81 TO 1989-90

Country	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90 <sup>1</sup>
	(thousand tonnes)									
<b>MIDDLE EAST:</b>										
Arab Republic of Egypt	—	316	23	662	450	464	208	100	—	—
Cyprus	—	—	—	32	14	—	20	21	—	8
Iran	96	73	107	488	41	61	128	1 113	26	1 445
Iraq	453	258	280	608	367	347	691	884	784	783
Israel	—	—	—	18	99	25	95	18	—	—
Jordan	—	—	—	—	—	—	—	—	—	6
Kuwait	—	—	—	—	—	—	—	—	—	32
Lebanon	119	91	158	—	—	6	—	—	—	—
Saudi Arabia	—	—	26	—	—	—	—	—	—	—
Syria	—	—	242	260	529	—	—	11	—	—
Turkey	—	—	—	—	—	89	—	—	—	52
United Arab Emirates	—	—	—	—	—	—	—	—	—	16
Yemen, P.D.R.	6	—	24	—	108	—	—	1	3	—
<b>TOTAL MIDDLE EAST:</b>	<b>674</b>	<b>738</b>	<b>885</b>	<b>2 554</b>	<b>1 608</b>	<b>992</b>	<b>1 142</b>	<b>1 145</b>	<b>810</b>	<b>1 602</b>
<b>ASIA:</b>										
Bangladesh	134	264	312	476	65	536	358	220	291	336
China, People's Rep. of	2 879	3 101	4 424	3 428	2 780	2 558	4 065	7 586	2 812	4 581
Hong Kong	16	9	6	13	13	9	11	10	12	12
India	40	91	7	513	5	—	—	44	—	12
Indonesia	—	32	224	201	200	333	189	189	246	337
Japan	1 381	1 367	1 341	1 325	1 323	1 272	1 349	1 481	1 354	1 465
Korea, Dem. People's Republic	—	—	—	—	—	—	20	28	—	21
Korea, South	—	—	—	6	—	472	1 173	617	38	—
Malaysia	10	—	5	—	72	9	57	61	110	105
Nepal	1	—	—	—	—	—	—	—	3	—
Pakistan	6	54	29	58	33	41	51	54	78	73
Philippines	—	—	—	—	—	21	100	32	117	360
Singapore	—	—	46	—	—	—	21	5	—	—
Sri Lanka	—	21	98	124	100	108	54	73	8	6
Taiwan	—	28	85	84	81	108	55	119	81	109
Thailand	—	—	—	—	—	—	—	17	45	83
<b>TOTAL ASIA:</b>	<b>4 862</b>	<b>4 887</b>	<b>6 577</b>	<b>6 154</b>	<b>4 672</b>	<b>5 467</b>	<b>7 503</b>	<b>10 986</b>	<b>5 230</b>	<b>7 862</b>
<b>WESTERN HEMISPHERE:</b>										
Barbados	—	5	—	2	—	—	—	—	—	3
Belize	—	—	1	—	—	—	—	—	—	—
Bolivia	—	—	—	12	—	—	20	—	12	11
Brazil	1 284	1 314	1 503	1 362	1 145	986	780	449	14	220
Chile	—	24	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	57	190	75	163	167
Costa Rica	—	4	—	—	—	—	—	—	—	—
Cuba	656	730	878	772	598	1 029	1 017	843	530	421
Dominican Republic	—	—	—	—	—	—	—	—	—	10
Ecuador	—	—	—	—	—	—	—	—	—	10
El Salvador	—	—	—	2	—	—	—	—	2	—
Grenada	—	—	—	—	—	—	—	—	2	—
Haiti Republic	37	20	—	—	25	—	—	—	—	—
Honduras	—	—	2	1	4	4	—	—	2	—
Jamaica	45	31	23	22	24	39	38	39	37	67
Mexico	27	154	189	276	—	—	258	353	—	—
Nicaragua	—	18	—	48	—	—	10	58	—	—
Panama	—	—	—	—	—	—	1	—	—	—
Peru	—	8	—	49	26	47	344	209	—	—
St. Christopher	—	—	—	—	—	—	—	—	2	—
St. Lucia	—	—	—	—	—	2	1	—	8	—
St. Vincent	—	—	—	—	—	—	—	—	7	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	2
United States	—	—	115	63	159	274	344	369	255	359
Uruguay	—	—	—	—	—	—	46	35	—	—
Venezuela	—	15	—	69	294	320	112	532	323	181
<b>TOTAL WESTERN HEMISPHERE:</b>	<b>2 040</b>	<b>2 082</b>	<b>2 771</b>	<b>2 070</b>	<b>2 275</b>	<b>2 758</b>	<b>3 161</b>	<b>2 880</b>	<b>2 860</b>	<b>1 980</b>
<b>TOTAL BULK WHEAT:</b>	<b>16 967</b>	<b>17 072</b>	<b>20 456</b>	<b>21 463</b>	<b>17 072</b>	<b>17 311</b>	<b>20 193</b>	<b>24 432</b>	<b>18 118</b>	<b>17 887</b>
<b>BAGGED SEED WHEAT:</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>42</b>	<b>43</b>	<b>2</b>	<b>1</b>	<b>9</b>	<b>7</b>
<b>GRAND TOTAL:</b>	<b>15 569</b>	<b>17 073</b>	<b>20 957</b>	<b>21 464</b>	<b>17 114</b>	<b>17 354</b>	<b>20 195</b>	<b>24 433</b>	<b>18 127</b>	<b>17 994</b>

<sup>1</sup> Preliminary: subject to revision.<sup>2</sup> Portugal and Spain joined the EC during 1986-87.

Source: Canadian Grain Commission "Canada Grain Exports" for 1989-90.

All previous years — Statistics Canada "Grain Trade of Canada".



**TABLE XII**  
**CANADIAN DURUM WHEAT EXPORTS BY AREAS AND COUNTRIES**  
**CROP YEARS 1980-81 TO 1989-90**

Country	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90
	(thousand tonnes)									
WESTERN EUROPE:										
EC-12:										
Belgium and Luxembourg	—	13	—	—	36	10	14	78	52	66
France	12	88	99	199	104	58	—	—	—	—
Germany, Federal Republic	1	18	—	17	2	—	12	3	10	—
Ireland	—	1	—	—	1	—	—	—	—	—
Italy	526	423	525	504	182	255	480	232	214	155
Netherlands	13	24	12	86	24	1	29	6	—	—
Portugal *	17	—	—	—	—	—	—	—	6	29
Spain *	51	—	—	—	—	—	—	—	—	15
United Kingdom	12	5	2	2	4	8	5	9	11	9
TOTAL EC-12:	632	572	638	808	353	332	540	328	293	274
OTHER WESTERN EUROPE:										
Finland	3	—	—	—	—	—	—	—	7	11
Norway	10	—	11	13	6	11	—	13	6	7
Malta	—	—	—	—	—	—	36	—	—	—
Sweden	—	—	1	—	3	—	—	—	—	—
Switzerland	24	27	44	16	2	—	—	—	17	24
TOTAL OTHER WESTERN EUROPE:	37	27	56	29	11	11	36	13	30	42
EASTERN EUROPE:										
Czechoslovakia	—	14	5	5	5	—	11	6	3	4
German Democratic Republic	32	—	26	51	50	48	47	53	60	61
Poland	93	112	59	52	25	—	—	—	—	33
U.S.S.R.	496	860	1 204	555	533	254	498	992	714	1 095
TOTAL EASTERN EUROPE:	621	986	1 294	663	613	302	556	1 051	777	1 193
TOTAL EUROPE:	1 290	1 585	1 988	1 500	977	645	1 132	1 392	1 100	1 509
AFRICA:										
Algeria	654	589	512	813	508	492	423	611	326	605
Ethiopia	—	—	—	—	—	—	—	—	—	4
Libya	24	52	47	93	103	108	136	96	78	170
Mauritania	2	—	4	8	11	10	—	7	—	—
Mozambique	—	—	—	—	—	—	—	8	—	—
Tunisia	23	—	—	—	—	—	—	41	17	19
TOTAL AFRICA:	703	641	563	914	622	610	559	763	421	798
MIDDLE EAST:										
Cyprus	—	—	—	—	7	—	9	10	—	—
Iran	—	—	—	—	—	—	—	—	—	5
Iraq	—	—	—	—	52	—	—	—	—	61
Kuwait	—	—	—	—	—	—	—	—	—	6
TOTAL MIDDLE EAST:	—	—	—	—	59	—	9	10	—	72



**TABLE XII (continued)**

**CANADIAN DURUM WHEAT EXPORTS BY AREAS AND COUNTRIES**

**CROP YEARS 1980-81 TO 1989-90**

Country	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90 <sup>1</sup>
	(thousand tonnes)									
<b>ASIA:</b>										
Bangladesh	—	—	—	—	—	—	—	—	—	—
China, People's Rep. of	—	—	—	—	—	—	—	—	15	30
Japan	48	32	77	60	61	18	79	94	118	141
Korea, South	—	—	—	—	—	—	20	53	—	—
<b>TOTAL ASIA:</b>	<b>48</b>	<b>32</b>	<b>77</b>	<b>60</b>	<b>61</b>	<b>18</b>	<b>99</b>	<b>147</b>	<b>133</b>	<b>171</b>
<b>WESTERN HEMISPHERE:</b>										
Costa Rica	—	4	—	—	—	—	—	—	—	—
Cuba	34	44	59	52	59	63	58	64	47	17
United States	—	—	—	3	—	—	62	202	186	218
Venezuela	—	4	—	16	48	49	38	175	116	53
<b>TOTAL WESTERN HEMISPHERE:</b>	<b>34</b>	<b>52</b>	<b>59</b>	<b>71</b>	<b>107</b>	<b>112</b>	<b>158</b>	<b>441</b>	<b>349</b>	<b>288</b>
<b>GRAND TOTAL:</b>	<b>2 075</b>	<b>2 310</b>	<b>2 687</b>	<b>2 545</b>	<b>1 826</b>	<b>1 385</b>	<b>1 957</b>	<b>2 753</b>	<b>2 003</b>	<b>2 838</b>

\* Portugal and Spain joined the EC during 1986-87.

<sup>1</sup> Preliminary: subject to revision.

Source: Canadian Grain Commission "Canada Grain Exports" for 1989-90.

All previous years – Statistics Canada "Grain Trade of Canada".



**TABLE XIII**  
**CANADIAN BARLEY EXPORTS BY AREAS AND COUNTRIES**  
**CROP YEARS 1980-81 TO 1989-90**

Country	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90
	(thousand tonnes)									
WESTERN EUROPE:										
EC-12:										
Belgium and Luxembourg	-	121	481	708	-	-	-	15	-	-
France	-	-	-	22	-	-	-	-	-	-
Germany, Federal Republic	-	-	51	20	-	-	-	-	-	-
Italy	344	417	310	126	-	-	32	-	-	-
Netherlands	1	-	-	63	-	-	-	9	-	-
Portugal *	-	-	-	5	-	58	45	21	9	-
Spain *	-	235	410	102	-	-	32	-	-	-
United Kingdom	10	3	-	-	2	-	-	-	-	-
TOTAL EC-12:	355	776	1 252	1 046	2	58	109	45	9	-
OTHER WESTERN EUROPE:										
Finland	-	111	-	-	-	-	-	-	-	-
Iceland	3	1	-	-	-	-	-	-	-	-
TOTAL OTHER WESTERN EUROPE:	3	112	-	-	-	-	-	-	-	-
EASTERN EUROPE:										
Bulgaria	-	-	-	-	-	180	-	-	-	-
German Democratic Republic	-	103	600	1 123	798	571	467	260	176	276
Poland	147	-	-	105	-	-	-	-	-	-
Romania	-	-	-	67	-	87	284	-	-	-
U.S.S.R.	1 573	2 780	1 526	472	410	439	2 149	208	-	914
TOTAL EASTERN EUROPE:	1 720	2 883	2 126	1 767	1 208	1 277	2 900	468	176	1 190
TOTAL EUROPE:	2 078	3 771	3 378	2 813	1 210	1 335	3 009	513	185	1 190
AFRICA:										
Algeria	-	36	-	-	-	-	-	1	-	-
Arab Republic of Egypt	-	-	-	-	-	-	-	32	-	-
Morocco	-	4	-	-	-	-	-	-	-	-
TOTAL AFRICA:	-	40	-	-	-	-	-	33	-	-
MIDDLE EAST:										
Cyprus	-	45	61	58	-	-	69	42	-	-
Iran	-	80	92	209	-	-	-	123	63	218
Iraq	-	-	101	197	135	-	-	111	115	282
Israel	124	209	252	256	187	145	198	65	53	-
Jordan	-	-	8	-	-	-	26	-	-	-
Lebanon	-	15	-	-	-	-	-	3	-	-
Saudi Arabia	-	89	-	31	-	899	1 941	1 678	1 091	1 358
Syria	-	-	-	98	-	-	-	17	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	50
Turkey	-	-	-	188	-	-	-	-	-	23
TOTAL MIDDLE EAST:	124	438	514	1 037	322	1 044	2 234	2 039	1 322	1 931
ASIA:										
China, People's Rep. of	-	77	83	26	-	213	285	278	123	26
Japan	805	914	970	820	735	839	731	900	698	843
Korea, South	-	-	-	5	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	4	-	-
Philippines	-	-	-	-	-	-	13	100	-	-
Singapore	-	-	-	262	140	-	-	-	-	-
Taiwan	-	118	83	-	-	-	-	69	-	-
TOTAL ASIA:	805	1 109	1 136	1 113	875	1 052	1 029	1 351	821	869





**TABLE XIII (continued)**  
**CANADIAN BARLEY EXPORTS BY AREAS AND COUNTRIES**  
**CROP YEARS 1980-81 TO 1989-90**

Country	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90 <sup>1</sup>
	(thousand tonnes)									
WESTERN HEMISPHERE:										
Chile	—	—	—	—	—	—	—	10	—	—
Colombia	47	86	101	115	—	—	90	80	40	20
Cuba	60	53	42	40	36	43	33	38	—	—
Ecuador	—	—	—	—	—	—	21	31	8	—
Mexico	—	—	22	63	83	22	—	—	22	—
Panama	—	—	—	—	—	—	—	3	—	—
Peru	11	23	16	13	—	—	—	—	6	6
United States	111	202	121	74	78	96	118	278	213	214
TOTAL WESTERN HEMISPHERE:	229	364	302	305	197	161	262	440	289	240
TOTAL BARLEY:	3 236	5 722	5 330	5 268	2 604	3 592	6 534	4 376	2 617	4 230
MALT (Barley Equivalent):	285	280	318	269	177	203	185	220	261	273
GRAND TOTAL:	3 521	6 002	5 648	5 537	2 781	3 795	6 719	4 596	2 878	4 503

<sup>1</sup> Preliminary: subject to revision.

\* Portugal and Spain joined the EC during 1986-87.

Source: Canadian Grain Commission "Canada Grain Exports" for 1989-90.

All previous years – Statistics Canada "Grain Trade of Canada".



**TABLE XIV**  
**CANADIAN WHEAT FLOUR EXPORTS BY AREAS AND COUNTRIES**  
**CROP YEARS 1980-81 TO 1989-90**

Country	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90 <sup>1</sup>
	(thousand tonnes)									
<b>WESTERN EUROPE:</b>										
EC-12:	2	1	1	1	1	1	1	1	2	2
Other Western Europe	4	4	3	3	4	7	7	4	1	2
<b>TOTAL WESTERN EUROPE:</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>8</b>	<b>8</b>	<b>5</b>	<b>3</b>	<b>4</b>
<b>EASTERN EUROPE:</b>	<b>248</b>	—	—	—	—	—	—	—	<b>8</b>	—
<b>TOTAL EUROPE:</b>	<b>254</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>8</b>	<b>8</b>	<b>5</b>	<b>11</b>	<b>4</b>
<b>AFRICA:</b>										
Algeria	11	5	5	—	—	—	—	—	11	5
Others	5	16	17	9	39	20	2	5	61	51
<b>TOTAL AFRICA:</b>	<b>16</b>	<b>21</b>	<b>22</b>	<b>9</b>	<b>39</b>	<b>20</b>	<b>2</b>	<b>5</b>	<b>72</b>	<b>56</b>
<b>MIDDLE EAST:</b>										
Arab Rep. of Egypt	12	32	26	23	18	18	—	1	4	7
Jordan	1	20	15	2	—	—	—	3	13	—
Yemen, Arab Rep. <sup>2</sup>	—	—	—	—	3	—	15	9	5	20
Yemen, P.D.R. <sup>2</sup>	3	—	—	—	7	10	3	9	20	—
Others	17	37	30	27	99	102	53	66	6	11
<b>TOTAL MIDDLE EAST:</b>	<b>33</b>	<b>89</b>	<b>71</b>	<b>52</b>	<b>127</b>	<b>130</b>	<b>71</b>	<b>88</b>	<b>48</b>	<b>38</b>
<b>ASIA:</b>										
China, People's Rep. of	—	—	—	86	64	56	129	78	18	—
Korea, South	17	—	51	—	—	—	—	—	—	—
Singapore	—	—	—	—	—	12	—	—	—	—
Thailand	1	1	1	1	—	—	—	—	—	—
Others	3	2	1	1	2	2	2	4	3	2
<b>TOTAL ASIA:</b>	<b>21</b>	<b>3</b>	<b>53</b>	<b>88</b>	<b>66</b>	<b>70</b>	<b>131</b>	<b>82</b>	<b>21</b>	<b>2</b>
<b>WESTERN HEMISPHERE:</b>										
Bahamas	4	4	5	5	5	5	5	4	4	4
Barbados	3	3	3	3	3	2	2	2	2	2
Bermuda	4	3	3	2	1	1	2	2	1	1
Colombia	—	—	—	—	—	8	—	2	11	5
Cuba	326	320	223	281	181	108	175	110	75	14
Ecuador	—	—	—	—	—	—	—	—	—	6
El Salvador	—	—	—	—	—	—	—	—	—	6
Haiti Republic	11	1	2	2	1	—	2	—	—	—
Jamaica	4	6	2	3	1	1	6	1	6	2
Leeward and Windward Islands	2	2	2	2	1	1	1	1	—	—
Paraguay	—	—	—	—	—	2	—	2	1	2
Trinidad and Tobago	3	3	2	5	4	4	4	3	2	2
United States	7	8	12	7	10	7	14	27	23	13
Others	6	6	7	16	25	5	7	8	9	7
<b>TOTAL WESTERN HEMISPHERE:</b>	<b>370</b>	<b>356</b>	<b>261</b>	<b>326</b>	<b>232</b>	<b>144</b>	<b>218</b>	<b>162</b>	<b>134</b>	<b>64</b>
<b>GRAND TOTAL:</b>	<b>694</b>	<b>474</b>	<b>411</b>	<b>479</b>	<b>469</b>	<b>372</b>	<b>430</b>	<b>342</b>	<b>286</b>	<b>164</b>

<sup>1</sup> Preliminary: subject to revision.

<sup>2</sup> Political unification took place in Yemen during 1989-90.

Source: Statistics Canada.



**TABLE XV**

**OVERSEAS<sup>1</sup> CLEARANCES OF CANADIAN BULK GRAIN<sup>2</sup> BY PORT AREAS  
CROP YEARS 1969-70 TO 1989-90**

<b>Crop Year</b>	<b>Atlantic Coast</b>	<b>St. Lawrence</b>	<b>Lakehead Direct<sup>3</sup></b>	<b>Churchill</b>	<b>Pacific Coast</b>	<b>Total</b>
			(thousand tonnes)			
1969-70	882	4 495	239	598	5 090	11 304
1970-71	818	7 681	912	637	6 660	16 708
1971-72	940	8 968	1 070	667	7 947	19 592
1972-73	942	8 653	907	638	9 036	20 176
1973-74	594	6 473	497	462	6 494	14 520
1974-75	788	6 230	816	498	5 381	13 713
1975-76	865	8 437	555	518	6 535	16 910
1976-77	792	8 144	1 050	735	7 348	18 069
1977-78	806	9 234	930	692	8 439	20 101
1978-79	575	7 946	742	495	8 303	18 061
1979-80	801	9 844	1 267	523	9 144	21 579
1980-81	730	9 638	826	289	9 547	21 030
1981-82	862	11 909	954	438	11 625	25 788
1982-83	657	14 944	782	557	11 521	28 461
1983-84	760	14 376	1 306	621	12 507	29 570
1984-85	450	9 707	1 047	437	10 617	22 258
1985-86	616	9 040	724	391	12 150	22 921
1986-87	552	11 125	1 105	558	15 966	29 306
1987-88	582	10 668	1 204	569	17 009	30 032
1988-89	402	3 863	497	50	11 832	16 644
1989-90 <sup>4</sup>	114	6 104	494	309	16 430	23 466

<sup>1</sup> To all countries except the U.S.A.

<sup>2</sup> Wheat (excluding bagged seed wheat), oats, barley, rye, flaxseed and canola.

<sup>3</sup> Includes shipments from ports along the Great Lakes.

<sup>4</sup> Preliminary: subject to revision.

Source: Canadian Grain Commission "Canadian Grain Exports" for 1989-90.

All previous years – Statistics Canada "Grain Trade of Canada".



**TABLE XVI**

**WHEAT PRODUCTION IN THE MAJOR PRODUCING COUNTRIES  
CROP YEARS 1975-76 TO 1989-90**

Crop Year	Canada	Argentina	Australia (thousand tonnes)	United States	EC-12	China
1975-76	17 081	8 570	11 982	57 885	44 987	45 310
1976-77	23 587	11 000	11 800	58 480	46 672	50 385
1977-78	19 858	5 300	9 370	55 670	44 312	41 075
1978-79	21 136	8 100	18 090	48 322	55 354	53 840
1979-80	17 196	8 100	16 188	58 080	53 160	62 730
1980-81	19 292	7 780	10 856	64 798	61 453	55 210
1981-82	24 803	8 300	16 360	75 805	58 006	59 640
1982-83	26 737	15 000	8 876	75 250	64 789	68 420
1983-84	26 505	13 000	21 903	65 829	64 011	81 390
1984-85	21 199	13 600	18 666	70 618	82 624	87 820
1985-86	24 252	8 700	16 167	66 001	71 248	85 810
1986-87	31 378	8 858	16 128	56 925	71 965	90 300
1987-88	25 991	8 900	12 442	57 362	71 522	87 720
1988-89	15 996	8 080	14 054	49 320	75 039	86 360
1989-90 <sup>1</sup>	24 578	10 302	14 121	55 428	78 632	91 000

Crop Year	India	Turkey	U.S.S.R. (thousand tonnes)	Pakistan	Others	Total
1975-76	24 235	14 750	66 224	7 673	60 503	359 200
1976-77	28 846	16 500	96 882	8 691	72 157	425 000
1977-78	29 010	16 650	92 161	9 144	63 850	386 400
1978-79	31 749	16 700	120 936	8 367	68 406	451 000
1979-80	35 508	17 500	90 207	9 950	60 181	428 800
1980-81	31 564	16 600	98 182	10 805	68 760	445 300
1981-82	36 313	17 000	81 000	11 475	65 598	454 300
1982-83	37 452	17 500	84 300	11 304	72 472	482 100
1983-84	42 794	16 438	77 500	12 414	72 520	494 304
1984-85	45 476	17 235	68 600	10 882	80 880	517 600
1985-86	44 069	17 032	78 100	11 703	81 918	505 000
1986-87	46 885	19 000	92 300	13 923	87 138	534 800
1987-88	45 577	18 932	83 312	12 200	88 827	512 744
1988-89	45 096	18 500	84 500	12 675	93 415	503 035
1989-90 <sup>1</sup>	53 995	16 200	92 307	14 419	91 385	542 367

<sup>1</sup> Preliminary: subject to revision.

Source: For Canada - Statistics Canada.

United States - "Crop Production Summary", USDA, January 1991.

For all other countries - International Wheat Council.





**TABLE XVII**

**COARSE GRAIN <sup>1</sup> PRODUCTION IN THE MAJOR EXPORTING COUNTRIES \***  
**CROP YEARS 1981-82 TO 1989-90**

Country	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90 <sup>2</sup>
	(million tonnes)								
Canada:									
Barley	13.7	14.1	10.2	10.3	12.4	14.6	14.0	10.2	11.7
Oats	3.2	3.7	2.8	2.7	2.7	3.3	3.0	3.0	3.5
Corn	6.7	6.5	5.9	7.0	7.0	5.9	7.0	5.4	6.4
Rye	.9	.9	.8	.7	.6	.6	.5	.3	.9
Mixed Grain	1.5	1.5	1.2	1.3	1.4	1.1	1.1	.9	1.0
<b>Total</b>	<b>26.0</b>	<b>26.7</b>	<b>20.9</b>	<b>22.0</b>	<b>24.1</b>	<b>25.5</b>	<b>25.6</b>	<b>19.8</b>	<b>23.5</b>
United States	246.6	250.7	137.1	237.7	274.9	252.1	217.0	149.7	221.5
Australia	6.7	3.9	9.4	8.6	7.9	6.8	7.2	6.7	6.9
Argentina	18.4	17.8	17.1	19.3	17.4	13.0	13.1	7.3	8.3
South Africa	8.8	4.5	5.1	9.0	8.9	7.9	7.9	13.0	10.0
Thailand	4.7	3.7	4.3	4.7	5.7	4.6	2.9	4.4	4.2
EC-12	76.1	80.7	73.9	90.4	88.9	81.7	82.4	88.1	82.0
Eastern Europe	64.5	72.0	66.9	72.8	65.5	71.1	63.8	61.3	68.0
U.S.S.R.	72.0	91.8	101.9	90.5	100.0	105.9	113.7	97.5	104.8
Others	246.1	232.6	250.4	260.3	250.0	263.2	260.3	283.6	271.4
<b>WORLD TOTAL</b>	<b>769.9</b>	<b>784.4</b>	<b>687.0</b>	<b>815.3</b>	<b>843.3</b>	<b>831.8</b>	<b>790.9</b>	<b>731.4</b>	<b>800.0</b>

\* Based on an October-September crop year for all countries except Canada, which is the August-July crop year.

<sup>1</sup> Includes corn, barley, oats, rye, sorghum, millet and mixed grains.

<sup>2</sup> Preliminary: subject to revision.

Source: USDA "World Grain Situation and Outlook", December 1990.

For all countries except Canada - "Field Crop Reporting Series No. 8".



**TABLE XVIII**

**WORLD COARSE GRAIN <sup>1</sup> EXPORTS \***  
**CROP YEARS 1981-82 TO 1989-90**

Country	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90 <sup>2</sup>
	(million tonnes)								
Canada:									
Barley	5.7	5.3	5.3	2.6	3.6	6.5	4.4	2.6	4.2
Oats	—	.1	.1	—	—	.3	.3	.7	.5
Corn	1.3	.5	.4	.6	.5	.1	.4	—	—
Rye	.5	.3	.7	.4	.3	.2	.2	.1	.3
<b>Total</b>	<b>7.5</b>	<b>6.2</b>	<b>6.5</b>	<b>3.6</b>	<b>4.4</b>	<b>7.1</b>	<b>5.3</b>	<b>3.4</b>	<b>5.0</b>
United States	58.4	54.0	55.8	55.4	36.4	47.5	53.5	61.3	69.3
Argentina	10.3	11.6	10.9	10.6	9.7	5.0	5.3	3.5	4.6
EC-12	4.0	4.2	4.3	8.5	8.1	5.9	8.5	10.8	7.9
Australia	3.1	1.0	5.5	6.4	5.0	3.1	2.5	1.9	2.9
South Africa	4.7	2.3	.1	.2	1.5	2.6	.6	2.0	3.0
Thailand	3.5	2.3	3.3	3.5	4.0	2.8	.8	1.4	1.4
Others	5.1	8.0	6.6	12.2	14.2	9.3	6.7	10.2	6.2
<b>WORLD TOTAL</b>	<b>96.6</b>	<b>89.6</b>	<b>93.0</b>	<b>100.4</b>	<b>83.2</b>	<b>83.3</b>	<b>83.2</b>	<b>94.5</b>	<b>100.3</b>

\* Based on an October-September crop year for all countries except Canada, which is the August-July crop year.

<sup>1</sup> Includes corn, barley, oats, rye, sorghum, millet and other grains.

<sup>2</sup> Preliminary: subject to revision

Source: Canada - Canadian Grain Commission "Canadian Grain Exports" for 1989-90.

All previous years - Statistics Canada "Grain Trade of Canada", August-July crop year.

United States and other countries - USDA "World Grain Situation and Outlook", December 1990.

**TABLE XIX**

**WORLD IMPORTS OF COARSE GRAINS <sup>1</sup> \***  
**CROP YEARS 1981-82 TO 1989-90**

Country	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90 <sup>2</sup>
	(million tonnes)								
EC-12	18.5	14.3	12.2	9.5	5.5	3.1	5.0	3.4	4.5
Other Western Europe	12.7	1.6	1.3	1.3	1.1	1.6	1.3	1.1	1.0
Eastern Europe	6.1	4.9	3.9	3.8	5.6	3.3	4.1	5.0	5.1
U.S.S.R.	20.4	11.0	11.9	27.3	13.6	10.8	10.4	22.5	22.7
Japan	17.9	18.7	20.7	20.7	21.5	22.1	22.4	21.5	21.7
Others	31.2	39.1	43.0	37.7	35.9	42.8	39.9	41.0	45.3
<b>WORLD TOTAL</b>	<b>106.8</b>	<b>89.6</b>	<b>93.0</b>	<b>100.3</b>	<b>83.2</b>	<b>83.7</b>	<b>83.2</b>	<b>94.5</b>	<b>100.3</b>

<sup>1</sup> Includes corn, barley, oats, rye, sorghum, millet and other grains.

<sup>2</sup> Preliminary: subject to revision.

\* Based on an October-September crop year for all countries.

Source: USDA "World Grain Situation and Outlook", December 1990.



**TABLE XX**

**EXPORTS OF WHEAT AND WHEAT FLOUR BY PRINCIPAL EXPORTERS  
DISTRIBUTION BY QUANTITY AND PERCENTAGE OF WORLD TRADE TOTAL  
JULY-JUNE CROP YEARS<sup>1</sup> 1970-71 TO 1989-90**

Crop Year	Argentina	Australia	Canada	United States (thousand tonnes)	EC-12	Others	Total
1970-71	1 704 (3.1%)	9 492 (17.3%)	11 819 (21.5%)	20 140 (36.7%)	3 105 (5.7%)	8 591 (15.7%)	54 851 (100.0%)
1971-72	1 328 (2.5%)	8 736 (16.6%)	13 684 (26.1%)	16 901 (32.2%)	4 656 (8.7%)	7 191 (13.7%)	52 496 (100.0%)
1972-73	3 510 (5.2%)	5 562 (8.2%)	15 681 (23.0%)	31 734 (46.6%)	6 525 (9.6%)	5 041 (7.4%)	68 053 (100.0%)
1973-74	1 106 (1.8%)	5 509 (8.7%)	11 436 (18.1%)	31 273 (49.7%)	5 467 (8.7%)	8 184 (13.0%)	62 975 (100.0%)
1974-75	2 178 (3.5%)	8 049 (12.8%)	10 776 (17.1%)	28 304 (45.0%)	7 122 (11.3%)	6 516 (10.3%)	62 945 (100.0%)
1975-76	3 111 (4.6%)	8 072 (12.1%)	12 334 (18.4%)	31 669 (47.4%)	7 729 (11.6%)	3 953 (5.9%)	66 868 (100.0%)
1976-77	5 584 (9.0%)	8 357 (13.5%)	13 434 (21.6%)	26 080 (42.1%)	3 912 (6.3%)	4 643 (7.5%)	62 010 (100.0%)
1977-78	2 670 (3.7%)	11 144 (15.3%)	16 030 (22.1%)	31 538 (43.5%)	4 479 (6.2%)	6 677 (9.2%)	72 538 (100.0%)
1978-79	3 307 (4.6%)	7 246 (10.2%)	13 081 (18.4%)	32 311 (45.4%)	7 349 (10.3%)	7 906 (11.1%)	71 200 (100.0%)
1979-80	4 748 (5.4%)	15 364 (17.6%)	15 886 (18.1%)	37 198 (42.5%)	10 271 (11.7%)	4 063 (4.7%)	87 530 (100.0%)
1980-81	3 932 (4.2%)	11 088 (11.9%)	16 260 (17.5%)	41 936 (45.0%)	12 684 (13.6%)	7 254 (7.8%)	93 154 (100.0%)
1981-82	4 281 (4.2%)	11 405 (11.3%)	18 445 (18.3%)	48 776 (48.4%)	13 990 (13.9%)	3 984 (3.9%)	100 881 (100.0%)
1982-83	7 471 (7.7%)	8 530 (8.8%)	21 367 (22.0%)	39 939 (41.2%)	14 084 (14.5%)	5 630 (5.8%)	97 021 (100.0%)
1983-84	9 637 (9.5%)	11 554 (11.4%)	21 764 (21.4%)	38 860 (38.3%)	15 040 (14.8%)	4 642 (4.6%)	101 497 (100.0%)
1984-85	7 966 (7.8%)	15 090 (14.7%)	17 540 (17.1%)	38 092 (37.2%)	17 297 (16.9%)	6 386 (6.3%)	102 371 (100.0%)
1985-86	6 197 (7.5%)	16 014 (19.4%)	17 683 (21.4%)	25 000 (30.3%)	14 386 (17.5%)	3 190 (3.9%)	82 470 (100.0%)
1986-87	4 359 (4.9%)	14 997 (16.9%)	20 781 (23.3%)	28 418 (31.9%)	15 483 (17.4%)	4 982 (5.6%)	89 020 (100.0%)
1987-88	3 824 (3.6%)	12 232 (11.7%)	23 514 (22.4%)	43 429 (41.4%)	14 678 (14.0%)	7 212 (6.7%)	104 889 (100.0%)
1988-89	3 416 (3.7%)	10 848 (11.6%)	12 404 (13.3%)	37 583 (40.2%)	19 382 (20.7%)	9 859 (10.5%)	93 492 (100.0%)
1989-90 <sup>2</sup>	5 621 (6.0%)	10 866 (11.6%)	17 411 (18.7%)	33 516 (35.9%)	18 854 (20.2%)	7 126 (7.6%)	93 394 (100.0%)

<sup>1</sup> Canada: August-July.

<sup>2</sup> Preliminary: subject to revision.

Source: Statistics Canada "Grain Trade of Canada" and Canadian Grain Commission "Canadian Grain Exports". Does not include bagged seed exports.

USDA "Wheat Situation" 1970-71 to 1974-75, "World Grain Situation" 1975-76 to 1989-90.

For all other countries – IWC "World Wheat Statistics" 1987 and "Record of Shipments" 1987-1988 to 1989-90.



**TABLE XXI**

**IMPORTS OF WHEAT AND WHEAT FLOUR INTO SELECTED COUNTRIES FROM ALL SOURCES  
JULY-JUNE CROP YEARS 1970-71 TO 1989-90**

Crop Year	Algeria	Arab Republic	Bangladesh	Brazil	China	Italy
		of Egypt		(thousand tonnes)		
1970-71	646	2 835	n/a	1 855	3 660	1 440
1971-72	885	2 591	690	1 475	2 967	1 379
1972-73	645	3 040	2 176	2 950	5 289	1 211
1973-74	1 600	3 180	1 750	2 440	5 831	3 088
1974-75	1 762	3 489	2 057	1 663	5 675	1 636
1975-76	1 593	3 588	1 050	3 755	2 287	1 910
1976-77	1 338	3 956	765	3 504	3 156	2 428
1977-78	1 705	4 637	1 183	3 382	8 635	4 185
1978-79	1 006	5 541	1 221	3 739	1 969	1 242
1979-80	1 986	5 156	2 171	4 868	8 680	1 294
1980-81	1 824	6 755	659	3 855	13 775	1 914
1981-82	2 294	6 012	1 165	4 589	13 223	1 552
1982-83	2 064	6 188	1 564	3 879	12 963	1 190
1983-84	2 365	7 331	1 632	4 320	9 786	1 370
1984-85	2 164	6 819	2 189	4 934	7 429	515
1985-86	2 498	6 587	1 050	2 495	6 408	651
1986-87	2 328	7 820	1 700	2 834	8 923	1 242
1987-88	3 459	7 143	2 038	2 032	15 385	867
1988-89	3 123	7 187	2 405	772	15 855	830
1989-90 <sup>1</sup>	3 100	7 200	1 400	1 500	13 200	400

Crop Year	Japan	Netherlands	Poland	Republic	United	U.S.S.R.
				of Korea		
(thousand tonnes)						
1970-71	4 834	1 310	1 972	1 752	5 359	315
1971-72	4 965	1 482	1 553	1 784	3 829	3 409
1972-73	5 486	2 049	1 000	1 736	4 535	15 000
1973-74	5 353	1 526	1 758	1 627	3 114	4 389
1974-75	5 404	1 684	1 234	1 703	2 935	2 934
1975-76	5 923	2 152	2 061	1 493	4 264	10 096
1976-77	5 522	1 401	2 885	1 832	3 422	4 559
1977-78	5 690	1 499	2 470	1 786	3 841	6 340
1978-79	5 584	1 218	2 323	1 702	1 491	5 024
1979-80	5 571	1 001	3 827	1 813	1 695	11 686
1980-81	5 930	1 055	3 877	2 072	1 380	14 911
1981-82	5 637	1 025	3 818	1 907	1 544	19 645
1982-83	5 597	579	2 899	1 804	1 119	20 140
1983-84	5 901	663	2 025	2 510	1 016	20 560
1984-85	5 748	518	2 057	3 043	716	28 156
1985-86	5 579	300	1 979	3 028	847	16 465
1986-87	5 576	169	2 321	4 206	546	16 008
1987-88	5 671	84	2 170	4 691	453	22 046
1988-89	5 374	101	1 882	2 520	464	14 789
1989-90 <sup>1</sup>	5 572	60	1 100	2 100	300	14 700

<sup>1</sup> Preliminary: subject to revision.

Source: IWC "World Wheat Statistics" 1987 and "Record of Operations" for 1987-88 to 1989-90.





**TABLE XXII**

**EXPORT PRICES FOR THE MAJOR EXPORTING COUNTRIES  
JULY-JUNE CROP YEARS 1978-79 TO 1989-90**

Crop Year	CANADA <sup>1</sup>			UNITED STATES	
	St. Lawrence 1 CWRS 13.5% (Cdn. \$ per tonne)	Pacific Coast 1 CWRS 13.5% (Cdn. \$ per tonne)	Pacific Coast 1 CWRS 13.5% (U.S. \$ per tonne)	Pacific Coast DNS 14% (U.S. \$ per tonne)	Gulf Coast HWO (U.S. \$ per tonne)
1978-79	185.00	191.00	164.00	151.00	141.00
1979-80	231.00	236.00	202.00	186.00	174.00
1980-81	264.00	272.00	230.00	210.00	182.00
1981-82	238.00	244.00	201.00	184.00	171.00
1982-83	229.00	235.00	190.00	174.00	159.00
1983-84	238.00	242.00	193.00	178.00	154.00
1984-85	237.00	252.00	188.00	170.00	148.00
1985-86	252.00	249.00	180.00	161.00	128.00
1986-87	188.00	201.00	148.00	126.00	110.00
1987-88	186.00	211.00	164.00	138.00	124.00
1988-89	250.00	270.00	225.00	185.00	167.00
1989-90					
July	243.00	242.00	204.00	182.00	169.00
August	232.00	236.00	201.00	172.00	166.00
September	224.00	236.00	200.00	168.00	164.00
October	226.00	233.00	198.00	168.00	166.00
November	226.00	232.00	199.00	165.00	169.00
December	227.00	231.00	199.00	170.00	170.00
January	227.00	229.00	196.00	169.00	170.00
February	223.00	226.00	189.00	160.00	162.00
March	214.00	221.00	187.00	159.00	159.00
April	210.00	219.00	188.00	160.00	160.00
May	202.00	218.00	186.00	158.00	149.00
June	194.00	209.00	178.00	153.00	136.00

Crop Year	AUSTALIA	ARGENTINA	EC-12 Standard Wheat Specified Zones
	ASW (U.S. \$ per tonne)	Trigo Pan (U.S. \$ per tonne)	(U.S. \$ per tonne)
1978-79	142.00	132.00	133.00
1979-80	169.00	192.00	171.00
1980-81	181.00	204.00	170.00
1981-82	165.00	178.00	150.00
1982-83	164.00	148.00	132.00
1983-84	154.00	137.00	146.00
1984-85	150.00	125.00	131.00
1985-86	133.00	102.00	111.00
1986-87	110.00	84.00	83.00
1987-88	125.00	101.00	84.00
1988-89	172.00	147.00	147.00
1989-90			
July	174.00	n/a	n/a
August	170.00	n/a	n/a
September	171.00	148.00	155.00
October	172.00	149.00	155.00
November	174.00	147.00	149.00
December	176.00	150.00	152.00
January	174.00	142.00	150.00
February	165.00	138.00	144.00
March	162.00	127.00	133.00
April	165.00	123.00	130.00
May	159.00	123.00	132.00
June	149.00	118.00	122.00

<sup>1</sup> Canadian Wheat Board official "in store" prices converted to f.o.b. at current FOB rates - Australian Wheat Board selling price (f.o.b.) Australian Standard Wheat.  
n/a Not available.

Source: International Wheat Council and Canadian Wheat Board for 1989-90 Canadian prices.



**TABLE XXIII**  
**SCHEDULE FOR CANADIAN WHEAT BOARD PAYMENTS**  
**FOR NO. 1 CANADA WESTERN RED SPRING WHEAT<sup>1</sup>**  
**BASIS IN STORE THUNDER BAY OR VANCOUVER**  
**POOL ACCOUNT YEARS 1966-67 TO 1990-91**

Pool Account	Initial Payment	Adjustment Payment	Interim Payment (\$ per tonne)	Final Payment <sup>2</sup>	Final Realized Price <sup>2</sup>
1966-67	55.12	—	—	17.89	73.01
1967-68	62.46	—	—	4.19	66.65
1968-69	62.46	—	—	—	62.46
1969-70	55.12	—	2.68 <sup>3</sup>	3.93 <sup>4</sup>	61.73
1970-71	55.12	—	—	6.28	61.40
1971-72	53.65	—	—	4.99	58.64
1972-73	53.65	11.02	—	14.47	79.14
1973-74	82.67	55.12	—	30.42	168.21
1974-75	82.67	55.12	—	26.60	164.39
1975-76	82.67	55.12	—	8.49	146.28
1976-77	110.23	—	—	6.92	117.15
1977-78	110.23	—	—	10.07	120.30
1978-79	110.23	18.37	—	31.93	160.53
1979-80	128.60	27.56	—	40.27	196.43
1980-81 <sup>5</sup>	156.16	40.34	—	25.62	222.12
1981-82	174.50	—	—	25.12	199.62
1982-83	174.50	—	—	17.84	192.34
1983-84	170.00	—	—	23.98	193.98
1984-85	170.00	—	—	16.37	186.37
1985-86	160.00	—	—	—	160.00
1986-87	130.00	—	—	—	130.00
1987-88	110.00	10.00	—	14.02	134.02
1988-89	150.00	20.00	15.00	12.14	197.14
1989-90	155.00	10.00	—	7.11	172.11
1990-91	135.00	—	—	—	—

<sup>1</sup> Base grade prior to 1971-72 was No. 1 Northern Wheat.

<sup>2</sup> Final payment and final realized price after deduction of Board operating costs, but prior to deduction of P.F.A.A. Levy for years 1966-67 through 1969-70.

<sup>3</sup> Payment from Pool Account prior to payment from Temporary Wheat Reserves Act, in 1969-70 only.

<sup>4</sup> Payment from Temporary Wheat Reserves Act.

<sup>5</sup> Crop years 1980-81 forward do not quote No. 1 CWRS 13% protein payment.



**TABLE XXIV**  
**SCHEDULE FOR CANADIAN WHEAT BOARD PAYMENTS**  
**FOR NO. 1 CANADA WESTERN AMBER DURUM**  
**BASIS IN STORE THUNDER BAY OR VANCOUVER**  
**POOL ACCOUNT YEARS 1978-79 TO 1990-91**

<b>Pool Account</b>	<b>Initial Payment</b>	<b>Adjustment Payment</b> (\$ per tonne)	<b>Final Payment <sup>1</sup></b>	<b>Final Realized Price <sup>1</sup></b>
1978-79	110.23	18.37	20.33	148.00
1979-80	128.60	36.75	39.50	204.85
1980-81	183.72	55.28	.58	209.58
1981-82	174.50	—	25.84	200.34
1982-83	174.50	—	12.95	187.45
1983-84	165.00	15.00	24.04	204.04
1984-85	180.00	—	24.85	204.85
1985-86	160.00	—	21.30	181.30
1986-87	130.00	—	20.20	150.20
1987-88	110.00	15.00	44.36	169.36
1988-89	175.00	15.00	14.48	204.48
1989-90	150.00	—	13.85	163.85
1990-91	125.00	—		

<sup>1</sup> Final payment and final realized price after deduction of Board operating costs.

**TABLE XXV****SCHEDULE FOR CANADIAN WHEAT BOARD PAYMENTS  
FOR NO. 1 CANADA WESTERN BARLEY <sup>2</sup>  
BASIS IN STORE THUNDER BAY  
POOL ACCOUNT YEARS 1976-77 TO 1990-91**

<b>Pool Account</b>	<b>Initial Payment</b>	<b>Adjustment Payment</b>	<b>Interim Payment (\$ per tonne)</b>	<b>Final Payment <sup>1</sup></b>	<b>Final Realized Price <sup>1</sup></b>
1976-77	80.38	—	—	11.12	91.50
1977-78	80.38	—	—	8.01	88.39
1978-79	76.00	3.67	—	11.41	91.08
1979-80	80.38	9.19	—	17.90	107.47
1980-81	124.01	6.99	—	15.55	146.55
1981-82	124.00	—	—	7.07	131.07
1982-83	110.00	—	—	—	110.00
1983-84	95.00	15.00	—	28.02	138.02
1984-85	110.00	15.00	—	6.30	131.30
1985-86	110.00	—	—	—	110.00
1986-87	80.00	—	—	—	80.00
1987-88	60.00	5.00	—	9.08	74.08
1988-89	120.00	—	—	4.23	124.23
1989-90	85.00	15.00	12.00	12.38	124.38
1990-91	90.00	—	—	—	—

<sup>1</sup> Final payment and final realized price after deduction of Board operating costs.

<sup>2</sup> Base grade prior to 1986-87 was No. 1 Feed Barley.





**TABLE XXVI**

**DESIGNATED BARLEY SCHEDULE OF PAYMENT  
FOR SPECIAL SELECT CANADA WESTERN 2-ROW<sup>2</sup> BARLEY  
BASIS IN STORE THUNDER BAY  
POOL ACCOUNT YEARS 1976-77 TO 1990-91**

<b>Pool Account</b>	<b>Initial Payment</b>	<b>Adjustment Payment</b>	<b>Interim Payment (\$ per tonne)</b>	<b>Final Payment <sup>1</sup></b>	<b>Final Realized Price <sup>1</sup></b>
1976-77	106.55	—	—	43.94	150.49
1977-78	99.67	—	—	11.59	111.26
1978-79	100.00	—	—	20.71	120.71
1979-80	100.00	34.45	—	34.19	168.64
1980-81	134.47	34.80	—	38.99	208.26
1981-82	159.27	—	—	27.52	186.79
1982-83	159.27	—	—	10.67	169.94
1983-84	141.27	—	—	37.63	178.90
1984-85	141.27	15.00	—	34.13	190.40
1985-86	166.27	—	—	38.13	204.40
1986-87	165.00	—	—	—	165.00
1987-88	115.00	20.00	—	16.67	151.67
1988-89	190.00	—	15.00	17.75	222.75
1989-90	115.00	55.00	25.00	16.41	211.41
1990-91	125.00	12.50			

<sup>1</sup> Final payment and final realized price after deduction of Board operating costs.

<sup>2</sup> Base grade prior to 1986-87 was No. 1 Canada Western 2-Row.

**TABLE XXVII****SCHEDULE OF TOTAL NUMBER OF CANADIAN WHEAT BOARD DELIVERY PERMITS  
ISSUED TO PRODUCERS  
CROP YEARS 1964-65 TO 1989-90**

<b>Crop Year</b>	<b>Manitoba</b>	<b>Saskatchewan</b>	<b>Alberta and British Columbia</b>	<b>Total</b>
1964-65	39,027	98,028	73,888	210,943
1965-66	38,013	95,541	71,632	205,186
1966-67	36,258	92,302	69,494	198,054
1967-68	35,107	89,761	67,189	192,057
1968-69	35,332	88,304	66,970	190,606
1969-70	35,203	88,378	66,423	190,004
1970-71	33,602	85,453	63,654	182,709
1971-72	33,124	82,876	60,886	176,886
1972-73	31,963	80,706	58,943	171,612
1973-74	31,042	78,775	56,654	166,471
1974-75	29,348	77,098	53,262	159,708
1975-76	29,326	76,101	52,689	158,116
1976-77	28,579	75,440	52,638	156,657
1977-78	28,283	74,630	50,834	153,747
1978-79	27,545	73,803	50,199	151,547
1979-80	26,366	72,400	48,891	147,657
1980-81	25,784	71,400	48,464	145,648
1981-82	25,829	71,533	48,655	146,017
1982-83	25,741	71,404	48,588	145,733
1983-84	25,586	71,505	48,378	145,469
1984-85	25,180	70,778	47,605	143,563
1985-86	24,914	70,679	47,730	143,323
1986-87	24,600	70,785	48,043	143,428
1987-88	25,271	70,686	48,280	144,237
1988-89	24,810	70,014	48,417	143,241
1989-90	24,090	68,938	47,267	140,295













**THE CANADIAN WHEAT BOARD ADVISORY COMMITTEE (1987 to 1990)**

**Back row** (left to right): Terry Hanson, Arthur Macklin, Larry Maguire, Harvey Gjesdal, Dan Cutforth, Wilfred Harder, Roy Atkinson  
**Seated** (left to right): Ken Galloway, Micheal Halyk, Avery Sahl, Gary Pike, Lucille Evans (Secretary)





LAI  
WB  
ASG



The Canadian  
Wheat Board

1990-91

## ANNUAL REPORT

In this Canada's 125th year,  
the Canadian Wheat Board  
celebrates its 50th birthday.  
The prospect is a bright future.



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### Cover:

The Canadian Wheat Board extends appreciation to the Janzen family of Manitoba for their cooperation in appearing on the cover of this year's Annual Report.  
From left to right: Back Row: Jim, Billy, Ronalee, Tillie and Jake Janzen;  
Front Row: Jessica and Joey Janzen.

# A Message from the Board

The world as we know it, and particularly our trading environment, is undergoing profound and rapid change. Over the last two years, the map of Europe has literally been redrawn before our very eyes. More changes can be expected as nations and regions continue to restructure both politically and economically.

These changes are being driven by technological advance, a world-wide shift to market economics, a growing concern for the environment, and by contemporary political thinking which places a high value on individual freedom and democracy. We are indeed being pushed towards a world without borders.

While it is important that the Prairie grain industry recognize that the world is changing and that it must adapt within this evolving environment, it is perhaps just as important that the industry recognize that some things have not changed, nor are they likely to within our lifetime. Neither a Europe-1992, a resolution of the GATT, a North American Free Trade Agreement, nor a Canada-U.S. Trade Agreement will alter the fact that Prairie farmers are farther from tide-water than any of their major competitors.

Because the majority of their grain will continue to be marketed off-shore, Prairie farmers will still have to move their grain across a formidable range of mountains on the West, and over vast distances and rugged terrain to waterfront ports in the East and North — to ports that are closed for several months each year due to ice and snow. They will still have to contend with a growing season that averages less than 110 frost-free days, with minus 40°C in the winter and plus 40°C in the summer, with droughts and floods, with pests and diseases, with surpluses and shortages.



*The Wheat Board Commissioners (left to right): Bill Smith, Commissioner; Forrest Hetland, Assistant Chief Commissioner; Lorne Hehn, Chief Commissioner (front seated); Gordon Machej, Commissioner (rear standing); Richard Klassen, Commissioner.*



No doubt they will still have to compete on an international playing field that is anything but level with competitors who have a much greater financial capacity to subsidize their producers and their exports than does Canada.

Then at the end of the season they will still have to contend with unpredictable commodity prices and unstable returns for their year of work and worry.

The Prairie grain industry has always been "globalized" — at least since 1876 when the first shipment of wheat headed south down the Red River from Winnipeg to Minnesota and then overland to the Great Lakes and on to Europe. The present structure and character of Western Canada's grain industry reflect not only the global nature of our business but also the climatic, geographic, economic and historical realities of the Prairie region and the nation itself.

This fifty-sixth Annual Report of the Canadian Wheat Board details the financial results of the 1990-91 crop year.

In 1990 Prairie grain producers were blessed with one of the most bountiful crops on record. They did everything right and Mother Nature cooperated. And their marketing agency, the Canadian Wheat Board, in cooperation with its accredited exporters, the Canadian Grain Commission, the Canadian International Grains Institute, the grain service companies, the railroads, the lake shippers, plus a host of other organizations and individuals, had good success in selling and moving this large crop.

Indeed export volumes were at near-record levels. In the 1990-91 crop year almost 100 countries around the globe purchased Prairie wheat, durum and barley and/or their products.

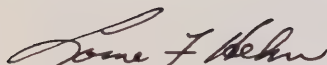
But alas, events beyond the control of farmers — beyond the farm gate, beyond the borders of the Prairie region, and indeed beyond the country itself — resulted in the largest pool deficit in the history of the Canadian Wheat Board.

Another all-time record world wheat crop and an ever-more vicious trade war between the European Community and the United States once again dashed the hopes and aspirations of thousands of Prairie farmers, their families and their communities.

But this is the nature of the international grain business. It has to do with the production and marketing of food — a biologically-produced commodity and a strategic commodity in every society and in every nation.

Perhaps our experience in crop year 1990-91 serves to remind us once again why Prairie farmers fought long and hard many years ago for single-desk selling, for price pooling and for a government-guaranteed initial payment. In 1992, as we celebrate the 125th Anniversary of our great country, perhaps it serves to underscore the wisdom and the strengths of Canada's collaborative approach, not just to grain marketing but to nation-building as well.

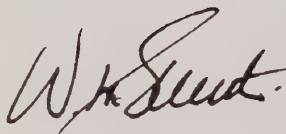
The cooperative team approach has been fundamental to the success of our industry and our country over the last century. We dare not take either for granted as we contemplate the future of both.



L. F. Hehn  
Chief Commissioner



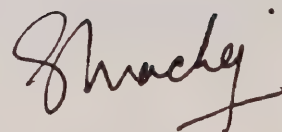
F. M. Hetland  
Assistant Chief Commissioner



W. H. Smith  
Commissioner



R. H. Klassen  
Commissioner



G. P. Machej  
Commissioner



**I**t was a year of the unexpected. Analysts had predicted another large world wheat crop, but no one foresaw the magnitude of the increase in production. And while the European Community and the United States were already well-entrenched in an export subsidy battle, market-watchers did not anticipate the degree to which the trade war would escalate.

The record crop and export subsidies combined to produce a total price collapse, as wheat values in real terms sank to their lowest level in the history of the Canadian Wheat Board. This condition was further compounded by the exceptional strength of the Canadian dollar versus the U.S. dollar. The Middle East conflict also contributed to the bearish conditions facing Canadian grain marketers.

## WHEAT

When the first estimates of the 1990 world wheat crop were released in the spring of that year, there were no obvious problem areas. Seeded area on a world-wide basis was forecast to be up slightly, and moisture conditions were generally favourable. What was unusual was that no serious weather problems ever emerged as the growing season advanced, and the five major wheat exporters and the world's two largest wheat importers – China and the Soviet Union – simultaneously produced bumper crops.

Total world wheat output jumped by a surprising 55 million tonnes, roughly equivalent to two Prairie wheat crops. Viewed as a percentage of annual trade, the increase in production represented almost 60 per cent of the amount of wheat traded on the world market in the previous crop year.

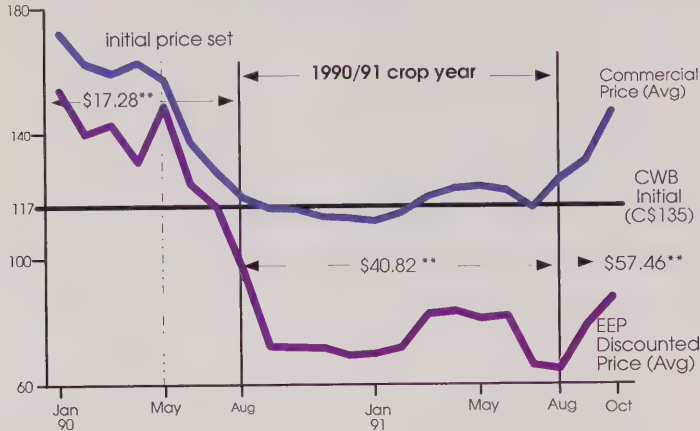


*World wheat production reached a record 598 million tonnes in 1990.*



US\$/T

## World Milling Wheat Prices \* in Commercial & Trade War-Affected Markets



\* US Hard Winter Ordinary Indicative Price

\*\* Average EEP Bonus (price discount)

But while the exporters all had abundant stocks of wheat with which to supply world markets, import requirements were down from the previous year.

In addition to the effects of the successful wheat harvests in the Soviet Union and China, world wheat trade was adversely affected by the virtual exclusion of Iraq from the market as a result of the embargo related to the Gulf War.

Total wheat trade amounted to only 91 million tonnes, well short of the record 105 million tonnes traded just three years earlier, or the previous 10-year average of 96 million tonnes.

Competition for this lower import demand intensified as exporters sought to maintain market share. Buyers were in a much stronger position with regard to establishing the terms of trade. In spite of this strained competitive situation and a slow start to the crop year, Canada was able to capture over 24 per cent of the world market. It finished the year with wheat exports of 22 million tonnes, the second-highest in Canada's history.

The greater availability of world wheat supplies and a favourable price relationship to corn led to higher use of wheat for feeding purposes in the 1990-91 crop year. However, the increase in consumption was not enough to offset the rise in production.

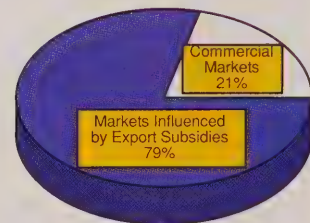
As a result, world ending stocks of wheat increased by 17 per cent to 138 million tonnes. This represented 25 per cent of global wheat use, which was still not an historically burdensome supply.

World wheat prices started to slip prior to the start of the crop year when bountiful winter wheat crops appeared likely.

When it became apparent that spring wheat crops would also come off not only in great volume but with high quality, U.S. futures market values plummeted and export subsidies reached new highs. U.S. Hard Winter Ordinary (f.o.b. U.S. Gulf) values, after subtracting the Export Enhancement Program subsidies, dropped from the US\$140 per tonne range in the early months of 1990 to an average of only US\$76 per tonne during the crop year.



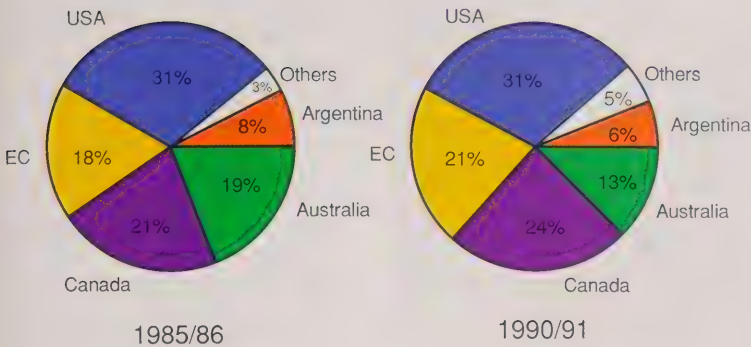
## World Wheat Trade 1990/91 Crop Year



## World Wheat Market Share 1985/86 vs 1990/91

(Left) Despite the billions of dollars spent on export subsidies by the Americans and the Europeans in recent years, market share has changed very little.

5



Not only were export subsidies being awarded at a much higher level, the volume of wheat traded at subsidized prices also increased. It has been estimated that returns from a full 79 per cent of world wheat sales were directly affected by the subsidy battle.

The heavy use of export subsidies had the compounding effect of depressing prices in markets which were not offered subsidies. This was because the competition for markets with higher returns increased, while the market also became focused on the downward spiral of subsidized trading levels.

(Below) Wheat Board Senior Marketing Manager Adrian Man (middle) meets with Japanese feed users.







*Canadian durum was exported in record quantities in 1990-91 for production of a wide array of pasta products.*

## DURUM

The world durum market was also marked by problems. World durum production was up eight per cent as the three major exporters – Canada, the U.S., and the European Community – all boosted output. Demand from world markets was unchanged, however, leading to a further rise in carryover. Stocks at the end of 1990-91 were equal to annual world durum trade. About 60 per cent of the world durum market was supplied by Canada.

Although durum in commercial (unsubsidized) markets traded at a premium to spring wheat during the 1990-91 crop year, durum values were still very depressed. In addition to supply/demand, which exerted downward pressure on prices, durum returns were further pulled down by extremely high export subsidies. Bonuses for durum under the U.S. Export Enhancement Program rose through the crop year to eventually break US\$50 per tonne. The spread between durum and spring wheat narrowed toward the end of the crop year, as predictions of an even larger world durum crop in 1991 began to emerge.

## COARSE GRAINS

The world coarse grain crop in 1990-91 was the third largest on record, with China, the Soviet Union, and the United States having bigger harvests. Coarse grain trade flagged, however, as importers met requirements with higher domestic supplies, and as feed wheat displaced corn in some feed grain markets due to the price differential. Ending stocks of coarse grains rose slightly, but still did not approach the burdensome carryovers of the mid-1980s.



## BARLEY

World production of barley rose by 10 per cent in 1990-91 to set a new record. This was due largely to sharply higher output in the Soviet Union, where production climbed 12.5 million tonnes. The increase in the Soviet crop exceeded the size of Canada's entire barley production in the previous crop year.

World barley trade was relatively bouyant, with Saudi Arabia and Eastern European countries bumping up imports. Canada and the European Community picked up a good part of the increased trade.

Despite the strong export demand, world ending stocks of barley increased slightly, depressing prices. A more important influence on the barley market, however, was the sharp escalation in the use of export subsidies, as the U.S. and the European Community battled for market share. For example, in Saudi Arabia, one of Canada's largest barley markets, bonuses under the Export Enhancement Program more than tripled to the US\$45-50 per tonne range. All of the barley exported from Europe was heavily subsidized and over 95 per cent of U.S. barley exports were also subsidized.



Canadian barley is well suited for the production of malt for beer (left) or as a feed for livestock (below).



Saudi Arabia is a major buyer of Canadian barley.

# The Canadian Scene

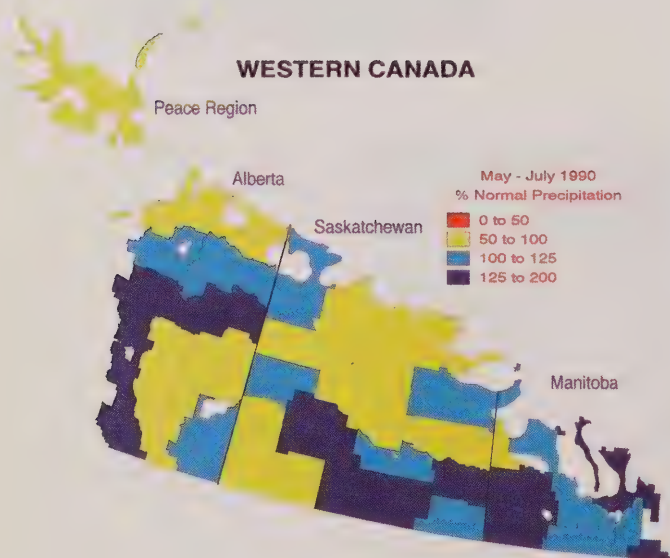
In spite of a very difficult world market situation where international grain prices experienced one of the most turbulent periods of the decade, a number of milestones were achieved in the movement of Western Canadian grain to customers around the world.

## GROWING THE 1990 PRAIRIE CROP

Production of the six major Western Canadian grains totaled almost 50 million tonnes in 1990. Wheat production was above average at 31.9 million tonnes, while barley was the second largest crop on record at 11.3 million tonnes.

Good growing weather in most parts of Western Canada aided in the development of a large crop of good quality. Soil moisture was generally good as spring grains were seeded, and June weather conditions were favorable. Timely rains in July boosted crop

prospects. Even areas that are usually dry received abundant rain, as you can see by the accompanying map. Harvest proceeded rapidly during dry, warm weather in September and was essentially finished by the end of the month.



*Canadian wheat production in 1990 was above average at 31.9 million tonnes.*

**DELIVERIES TO THE  
PRAIRIE ELEVATOR**

Producers delivered a record amount of grain in 1990-91, particularly wheat. Although delivery opportunities got off to a slow start, 1990-91 quotas and delivery contract calls announced by the Wheat Board reflected a fairly strong pace of grain movement during most of the crop year. Shipments from country elevators were 33.4 million tonnes, just below the record of 33.9 million tonnes in 1983-84.

Delivery quotas were established for all grains. In the case of barley and some grades and classes of wheat, contract programs were also offered to producers. Five series of guaranteed delivery contracts were available to barley producers during the crop year.



*(Above) Producers delivered a record amount of wheat in 1990-91.*



*(Left) Country elevator shipments were 33.4 million tonnes, just slightly below the record of 33.9 million tonnes in 1983-84.*





Canadian terminals, such as the Prince Rupert terminal shown above, handled 16 per cent more grain exports in 1990-91 versus 1989-90.

## EXPORTS INCREASE

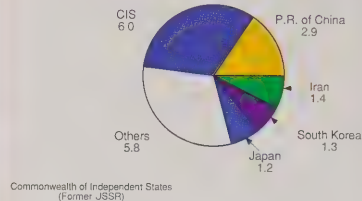
Canadian exports of the six major grains totaled 29.3 million tonnes in 1990-91, up 16 per cent from the year before. Most of the increase was in exports of wheat and durum wheat. Barley exports were higher than the previous crop year and above the five-year average.

Canada was able to maintain its world market share in both wheat and coarse grains. Exports of wheat, durum and barley in 1990-91 to major customers are shown alongside. Full details of shipments to all destinations are provided in the statistical section.

Stocks of grain on farms at the end of the 1990-91 crop year were up substantially from the previous year. On-farm stocks of all major grains totaled 6.1 million tonnes. This compared to 2.4 million tonnes the year before when on-farm stocks were at their lowest level in recent history.

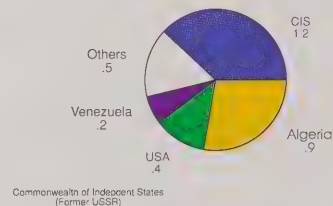
### 1990/91 Major Canadian Wheat Customers

MMT



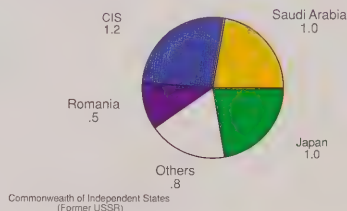
### 1990/91 Major Canadian Durum Customers

MMT



### 1990/91 Major Canadian Barley Customers

MMT





## CANADA'S PORTS PLAY A CRUCIAL ROLE

Virtually all of 1990-91 Canadian grain exports of 29.3 million tonnes were handled through Canada's port areas. Of this amount, about 861 000 tonnes of grain were exported directly from Prairie elevators.

Exports through the West Coast ports of Prince Rupert and Vancouver totaled 16.5 million tonnes in 1990-91, virtually the same as the year before. Exports through the Port of Churchill in 1990-91 totaled 376 117 tonnes, up from about 309 000 tonnes in the previous season. While grain movement through the Thunder Bay-St. Lawrence River system got off to a slower start because of sluggish international grain demand at the beginning of 1990-91, the pace throughout the remainder of the crop year was strong. St. Lawrence grain exports totaled 10.7 million tonnes, up 41 per cent from the previous year. Grain exports through the Port of Halifax totaled 112 303 tonnes in 1990-91, virtually the same as the previous year.

*(Right) Exports through the West Coast totaled 16.5 million tonnes in 1990-91.*





*(Above) Gordon Price, Marketing Manager, Domestic Wheat and Export Wheat Products (left), and Tom Cowell, Senior Marketing Manager, Domestic Wheat and Export Wheat Products, discuss prices to domestic mills.*

*(Below) The Canadian Wheat Board is the sole supplier of prairie-grown malting barley to Canadian malt plants, such as the Prairie Malt plant at Biggar, Saskatchewan, which is shown below.*

## SALES IN THE CANADIAN MARKET

In keeping with the policy of following fluctuations in the North American market to establish prices to Canadian millers, the Wheat Board proceeded from a weekly to a daily price quotation for all grades of Western Canadian wheat and durum on January 1, 1991. Prices in-store Thunder Bay were established to reflect the Minneapolis future for hard red spring wheat and the Chicago futures for soft white spring wheat. Durum prices were set based on Minneapolis trading levels for U.S. milling durum.

In May 1991, Canadian Wheat Board import control on U.S. wheat coming into Canada was removed. This was in keeping with the terms of the Canada United States Trade Agreement which provided for the removal of import controls once producer support in Canada was deemed to be equal or higher than in the U.S.



# Other Operations

This section of the annual report highlights some of the promotional aspects of the Wheat Board's operations and describes key events or activities by some departments not directly involved in the sale or transportation of grain.

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## MARKET DEVELOPMENT ACTIVITIES

### Offshore Programs

The Board's on-going market development activities are as diverse as the customers it serves. As in the past, the purpose of these activities during the 1990-91 crop year was to open up new market opportunities for Western Canadian wheat and barley and help existing customers use these grains more effectively. Usually, this means Board programs in offshore markets are highly technical in nature. But there were also some important differences during the year under review.

One example was Brazil. The Brazilian government had

announced that their wheat imports would be liberalized in mid-1990. This meant that for the first time in over 20 years, mills would be buying wheat in their own right.



(Above) Ken Preston of the Canadian Grain Commission (left) and Gordon Bacon of the Canadian Wheat Board (middle), discuss the advantages of Canadian wheat with Sergio Augusti Albuquerque, Chief of Quality Control at Moinho Fortaleza, Fortaleza, Brazil.

(Below) Canada Prairie Spring wheat is well suited for production of Arabic flat breads.



An extensive development effort, with a two-fold objective, was undertaken. The first objective was to familiarize Brazilian mills with the Canadian marketing system, selling methods and quality control. The second was to make sure Brazilian millers were familiar with the quality characteristics of some of the new Canadian wheat classes, particularly that of Canada Prairie Spring (Red), and understood their suitability for various end-uses.





*(Above) Various courses are offered to foreign visitors to demonstrate how Canadian wheat flour is used in the baking process.*

The first introductory step in a longer-term program was taken in April 1991, when two seminars for millers were held in Brazil. This was followed by a full-scale, two-week, milling program at the Canadian International Grains Institute (CIGI) in Winnipeg in July. Further follow-up activities involving intensive technical programs in milling and baking were planned for the 1991-92 crop year.

Different types of programs are being carried out in the Republic of Korea. Because of the high competitiveness there, programs are being conducted on a company-by-company basis. Some include a milling company and a major end-user; others are geared solely to the needs of the end-users. The specific purpose here is to show how flours from different Canadian wheats, either alone or in blends with other wheats, can be used by individual bakeries and noodle manufacturers for the various products they produce.

*(Right) Canadian Wheat Board Market Development staff visited this new flour mill in the Philippines during the crop year under review.*

A program carried out with one of the major baking companies in Korea showed them how to take advantage of the distinctive gluten properties of Canada Western Red Spring wheat to increase its output and significantly reduce its per-unit costs. Senior specialists from the company's laboratory and baking plant first came to Canada to conduct preliminary laboratory and pilot tests at CIGI and the Grain Research Laboratory of the Canadian Grain Commission. These were followed by larger-scale tests with both hamburger buns and pan breads at the company's main plant in Seoul.

The results of these tests clearly showed the potential advantages of using CWRS wheat. While further tests were to follow, by the end of the crop year the company was beginning to make plans to adjust their baking systems to use CWRS flours.

The programs in Brazil and Korea are representative of the Board's market development activities in overseas markets. Development programs specifically tailored were also carried on in Colombia, Chile, Peoples Republic of China (for both wheat and malting barley), Thailand, Mexico, Taiwan and the Philippines.





Varietal Evaluation Programs

The purpose of the Varietal Evaluation Program is to determine market suitability and sales potential of specific varieties which could open up new marketing and/or farm production opportunities. Current focus is on varieties for the red and white CPS wheat class, malting barley and hulless barley. A summary of 1990-91 programs is shown alongside.

SUMMARY OF 1990 CONTRACT PROGRAMS				
	No. of Growers	Acreage	Yield (bu./acre)	Total Production (tonnes)
CPS Wheats				
Genesis (White)	730	61,217	49.5	82,543
Biggar (Red)	378	31,573	61.2	52,497
Malting Barley				
TR490 (Manley)	26	2,186	65.3	3,111
BT477 (Stein)	35	2,891	69.6	4,383
Hulless Barley:				
Condor	11	660	51.6	739

SALES MISSIONS

During the crop year under review, Commissioners and other Board officials traveled to numerous countries on sales and market development missions. These countries are listed by geographic area as follows:

Africa and the Middle East —  
Algeria, Jordan

Asia — Japan, Malaysia, People's Republic of China, Singapore, South Korea, Taiwan, Thailand, Philippines, Indonesia

North America — United States

Latin America and the Caribbean — Brazil, Chile, Mexico, Costa Rica

Western Europe —  
United Kingdom, France, Norway, Italy

Eastern Europe — German Democratic Republic, U.S.S.R.



Chile-Canada Wheat Symposium- Shown left to right are Al Kirton, Senior Marketing Manager, CWB; Hugo Dimter, Assistant Manager, Milling Department, Lucchetti S.A., Santiago, Chile; Clive Lewis, Canadian Grain Commission; Lorenzo Escobar, Manager, Fideos Y Alimentos Carozzi S.A., Quilpue, Chile; and Richard Dinneny, Market Analyst, CWB.

## INCOMING MISSIONS

Many government officials and senior grain trade representatives visited Canada and met with the Board during the 1990-91 crop year. They learned about Canadian quality control, toured grain handling facilities and observed the operations of the Canadian grain industry from farm to seaboard port. Missions from Algeria, Brazil, China, North Korea, Peru, South Korea and the former Union of Soviet Socialist Republics (U.S.S.R.) were sponsored by the Board.

Individuals and groups from twenty-one other countries also visited the Board offices during the 1990-91 crop year. In addition to having meetings and discussions, the Board assisted the visitors in arranging itineraries and programs.

The Board gratefully acknowledges the invaluable support it receives from all levels of governments, universities, grain trade organizations and individuals in arranging these visits.



*(Above) A baking demonstration is given to a group of visitors from the former Soviet Union.*



*(Left) Customers often visit Canadian farms. Shown from left to right are R. Hassen-Khodja, Director of Office Algerien Interprofessionnel des Cereales in Algeria, Ron Hiebert, Sperling, Manitoba, Jean-Benoit Gauthier, Senior Marketing Manager, Africa/Middle East/Russia/Central Asia, CWB, and Jean-Louis Renaud, former CWB Market Analyst for that same area.*

## CANADIAN INTERNATIONAL GRAINS INSTITUTE

The Canadian International Grains Institute continued to provide support to the market

development efforts of the Canadian Wheat Board. The following programs were offered by the Institute during the 1990-91 crop year at the request of the Wheat Board:

### **Latin American Flour Technology Program**

August 13-23, 1990

### **Canadian Grain Industry Program for China**

September 4-12, 1990

### **12th Canadian Feed Technology Course**

November 5-8, 1990

### **11th Canadian Flour Millers' Course**

November 27-December 7, 1990

### **Mexican Millers' Symposia**

(held in Mexico City, Monterrey and Celaya, Mexico)

December 3-7, 1990

### **Korean Technical Mission**

December 4-9, 1990

### **25th Grain Marketing Course**

January 14-18, 1991

### **26th Grain Marketing Course**

January 21-25, 1991

### **12th Grain Utilization Technology**

February 4-8, 1991

### **18th Farm Leaders' Course**

February 18-March 1, 1991

### **Chile-Canada Wheat Symposium**

(held in Santiago, Chile)

April 4-5, 1991

### **Brazil-Canada Wheat Symposium**

(held in Sao Paulo, Brazil)

April 9, 1991

### **Brazil-Canada Wheat Symposium**

(held in Fortaleza, Brazil)

April 11, 1991

### **Korean Millers-Canada Wheat Symposium**

(held in Seoul and Pusan, Korea)

April 23 and 25, 1991

### **8th International Feed & Oilseed Program**

April 29-May 16, 1991

### **27th International Grain Industry Program**

May 27-June 20, 1991

### **Brazilian Millers' Program**

July 2-12, 1991

### **Malting and Brewing Technology Program for Participants from The People's Republic of China**

July 22-August 2, 1991



Canadian International Grains Institute courses offer a mixture of field tours as shown in these photos or presentations in a classroom setting.







*Over 1,300 visitors toured the Wheat Board's Winnipeg office during the 1990-91 crop year.*

## AWARDS PROGRAM

The Canadian Wheat Board continued to offer awards to agriculture students during the 1990-91 crop year. A total of \$265,016.67 was awarded to young scientists in the field of agricultural research at the Universities of Manitoba, Saskatchewan, and Alberta.

Fifteen students received fellowship awards to continue post-graduate studies. The awards are made on the basis of academic standings and are keenly sought. Each fellowship recipient can receive \$15,000 in the first year, \$16,000 in the second year, and \$17,000 in the third year.

At the undergraduate level, up to 29 scholarships are awarded each year. Students can receive \$1,400 in the third year and \$1,700 in the fourth year.

Five of these scholarship students were employed by the Wheat Board during the summer of 1991.

## TOURING THE WHEAT BOARD

Over 1,300 visitors toured the Winnipeg office during the 1990-91 crop year. There was a total of 98 groups, comprised of 24 from the farming community, 37 international, 18 educational, and 19 others. Wheat Board staff from major departments presented details on their operations and answered questions.

## WHEAT BOARD LAUNCHES U.S. NOTE PROGRAM

In March 1991, the Wheat Board launched a Commercial Paper Program in New York. The program was implemented to assist in raising U.S. dollars to cover Wheat Board borrowing requirements at the lowest possible cost.

This Commercial Paper Program is similar to the Wheat Board Note Program, which was established in August 1989 for the purpose of funding a part of the Board's Canadian dollar requirements. These programs were made possible through amendments to the Canadian Wheat Board Act.

Monies saved by the Board through more efficient borrowing are passed directly back to Prairie wheat and barley producers.



*Wheat Board Money Market Manager Gordon Menzie.*



## THE REVIEW PANEL REPORT

The Canadian Wheat Board Review Panel, which was established in January 1990, submitted its report to the Board on October 15, 1990. The report examined the challenges and opportunities that the Board expected to face in the 1990s and beyond.

The Panel consisted of **Chairman Barry Steers**, former Canadian ambassador to Japan, **Bruce MacMillan**, Chairman of Pioneer Grain Company Limited, **Murray Cormack**, Chief Executive Officer of Agro Company of Canada Limited, **Doug Livingstone**, former President of Alberta Wheat Pool, **Jonathon Bamberger**, Vice President of Canada Malting Company Limited, **Micheal Halyk**, farmer and Advisory Committee Member, and **Bill Duke**, farmer and Past President of the Western Canadian Wheat Growers Association.

The Panel reviewed such issues as Wheat Board marketing in the changing global market, the Wheat Board and the Canada-U.S. Trade Agreement, and marketing to the domestic market for further processing. It also reviewed the Board's role in the transportation and handling of grain as well as the corporate structure of the Wheat Board.

Some of the Panel's recommendations had been implemented at the time this annual report was written. Others needed further examination.

Copies of the "Report of the Review Panel" are available from the Wheat Board's Information Department.



*Review Panel- (Back Row from left to right) Jonathon Bamberger, Murray Cormack, Doug Livingstone, and Micheal Halyk. (Front Row) Bruce MacMillan, Barry Steers, and Bill Duke.*

## CASH FLOW ENHANCEMENT PROGRAM

The federal government introduced the Cash Flow Enhancement Program on October 13, 1990, to assist Canadian farmers facing serious cash flow problems. Farmers were able to obtain up to \$50,000 interest-free under that program. An additional \$200,000 could be obtained under the regular cash advance program but this was subject to a monthly-adjusted interest rate.

Under these two programs, the Wheat Board's Country Services Division issued a record 60,845 cash advance accounts on wheat and barley during the crop year for a total of \$1.4 billion.

## LEGAL SERVICES

Activities of the Legal Department include drafting Regulations, handling estate files and demurrage claims, and providing legal advice and assistance on matters related to administration, operations, and policy.

During the 1990-91 crop year, the department was involved in the legal aspects of setting up the Wheat Board's U.S. Note program. It also played a substantial role in providing information to the U.S. General Accounting Office (GAO) regarding Wheat Board sales activities in the United States.

The GAO study followed a similar investigation in 1989-90 by the U.S. International Trade Commission (ITC). The ITC Study concluded there was no evidence to suggest that Wheat Board had traded unfairly in the U.S. market.

Legal action by the Province of British Columbia to collect \$3 million in taxes for use of Wheat Board railcars in that province was withdrawn in 1990-91.

The Legal Department continued to assist in the collection of defaulted cash advance accounts and attend to bankruptcy situations. It also obtained convictions for breaches of the Canadian Wheat Board Act and Regulations and Prairie Grain Advance Payments Act and Regulations.



*Wheat Board Solicitor Anders Bruun (left) met with the International Trade Commission during the 1990-91 crop year. International Trade Analyst Alf Dennis is shown on the right.*

## PERSONNEL

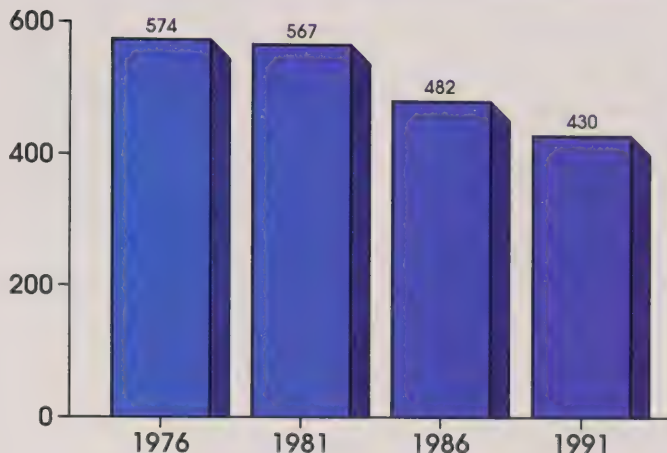
There were several changes in Commissioners during the 1990-91 crop year. Lorne Hehn, a farmer from Markinch, Saskatchewan, and former President of United Grain Growers Limited, was appointed Chief Commissioner. He replaced W. Esmond Jarvis, who accepted a position as Canadian High Commissioner to New Zealand. Forrest Hetland was appointed Assistant Chief Commissioner, to replace Larry Kristjanson, who retired in August 1990. Gordon Machej, former Executive Director of Marketing, was appointed Commissioner.

Robert Hamilton accepted the position of Executive Director of Marketing, vacated by Mr. Machej. Gil Booth filled Mr. Hamilton's former position as General Director of Transportation.

Robert Roehle was appointed Manager of the Information Department following the departure of Chuck Thompson. Other senior appointments included Brian White, Director, Market Analysis; Randy Caithness, Director, Planning and Coordination; Rene Paradis, Director, Seaboard Operations East; and Garth Gusberti, Assistant Director, Seaboard Operations East.

Retirements during the 1990-91 crop year included former Assistant Chief Commissioner Larry Kristjanson, Moira Malegus, Murray Wilde, Edna Andres, Matilda Morrison, Margaret Irvine, Dorothy Graham, Shirley Fenning, and Carol Russell. The Wheat Board acknowledges the valuable contributions of these people during their many years of service.

## Number of Permanent Employees



The Board is sad to note the deaths of the following pensioners: Doug Treleaven, Adolph Lipinski, Arthur Jackson, George McIvor, Evelyn Petersen, Mary Hanesiak, Herb Knoll, Lillian Gorrick, Doris Harp, John Penner, Harry Smith, and Mary Coward.



(From left to right) Charlin McFee, Director, Human Resources, and Frank Guenther, General Director, Personnel.



# The Advisory Committee

The Advisory Committee to the Canadian Wheat Board met throughout 1990-91 to address issues of importance to Western Canadian grain producers. The Committee consists of 11 members elected by producers from across Western Canada to advise the Board on matters related to its operations.

The 1990-91 crop year began with the Advisory Committee which held office since January 1987. Committee members were as shown below.

As prescribed under the Canadian Wheat Board Act, there was an election of the Advisory Committee in the fall of 1990. The Board enlisted the services of Mr. Bonne Lemon, retired from the firm Deloitte and Touche Chartered Accountants, to act as Coordinator of the Producers' Vote. The Board commends Mr. Lemon for a well-run election.

A total of 28 candidates were nominated in the election. The successful candidates to the next four-year term of the Committee, commencing in January 1991 are shown on the next page.

The Board wishes to recognize the dedication of Advisory Committee members whose term ended in 1990: Mr. Sahl, Mr. Pike, Mr. Gjesdal, and Mr. Galloway.

At its first meeting, the new Committee agreed to proceed with Mr. Harder as Chairman and appoint Mr. Halyk as Vice-Chairman until an election for these positions could be held in the spring of 1991. At the election held in April 1991, Mr. Harder was elected Chairman and Mr. Halyk was elected Vice-Chairman.

District	Name	Address
1	Wilfred A. Harder	Lowe Farm, Manitoba
2	Larry N. Maguire	Elgin, Manitoba
3	Terry L. Hanson	Fillmore, Saskatchewan
4	Micheal G.W. Halyk	Melville, Saskatchewan
5	J. Harvey Gjesdal	Birch Hills, Saskatchewan
6	Roy R. Atkinson	Landis, Saskatchewan
7	Avery K. Sahl	Regina, Saskatchewan
8	Gary Pike	Lloydminster, Saskatchewan
9	Dan Cutforth	Barons, Alberta
10	Ken D. Galloway	Fort Saskatchewan, Alberta
11	Arthur W. Macklin	Grande Prairie, Alberta



Over the course of the 1990-91 crop year, the Committee held 11 meetings, 10 of which were held at the Board's head office in Winnipeg. The Committee discussed many issues affecting Western Canadian grain producers and their marketing agency.

Foremost among these was the continuing export subsidy war between the European Community and the United States and its devastating effect on Western Canada. The Committee was also informed of continuing developments in Canadian grain exports and the movement of grain from farm to customers. Committee members discussed the cash advance program, changes to domestic wheat pricing to mills, concerns regarding the quota acreage system and the guaranteed delivery contract program, and communications initiatives of the Board. The Committee also reviewed progress on recommendations of the Review Panel to the Canadian Wheat Board.

The Committee met with Dr. Leo Kristjanson and Dr. John Dosman to discuss funding assistance for the Founding Chairs Program of the University of Saskatchewan's Centre for Agricultural Medicine.

The Committee held one meeting outside of Winnipeg in 1990-91, when they accepted the invitation of the U.S. Durum Growers' Association to meet during the Durum Forum in Minot, North Dakota on November 6th and 7th, 1990.

District	Name	Address
1	Wilfred A. Harder	Lowe Farm, Manitoba
2	Larry N. Maguire	Elgin, Manitoba
3	Terry L. Hanson	Fillmore, Saskatchewan
4	Micheal G.W. Halyk	Melville, Saskatchewan
5	John Clair	Radisson, Saskatchewan
6	Roy R. Atkinson	Landis, Saskatchewan
7	Derek Dewar	Hazlet, Saskatchewan
8	Lorne Pattison	Marshall, Saskatchewan
9	Dan Cutforth	Barons, Alberta
10	Lee Erickson	Donalda, Alberta
11	Arthur W. Macklin	Grande Prairie, Alberta

District	Location	Date
1	Morden, Man. Oak Bluff, Man.	February 18 February 21
2	Brandon, Man.	April 2
3	Redvers, Sask. Weyburn, Sask.	March 27 March 28
4	Yorkton, Sask.	April 4
5	Pleasantdale, Sask. Blaine Lake, Sask.	March 11 March 12
6	Davidson, Sask. Nokomis, Sask.	February 27 February 28
7	Assiniboia, Sask. Fox Valley, Sask.	March 19 March 20
8	Vermilion, Alta. Landis, Sask.	March 8 March 13
9	Vauxhall, Alta. Didsbury, Alta.	March 5 March 6
10	Ponoka, Alta.	March 7
11	Grande Prairie, Alta. Farmington, Alta. Manning, Alta. Westlock, Alta.	April 8 April 9 April 10 April 12

The Board extends its gratitude to the Committee for providing valuable assistance to its marketing efforts on behalf of Western Canadian grain producers.

Committee members represented the Advisory Committee in official capacities. Mr. Macklin and Mr. Dewar were elected by the Committee to serve on the Wheat Board's Steering Committee on Research Funding. Mr. Gjesdal, Mr. Erickson and Mr. Pattison served as resource speakers at courses held at the Canadian International Grains Institute. Mr. Erickson also served as the Committee's representative on the Olds College Industry Advisory Board. Mr. Atkinson attended the University of Saskatchewan Awards Night on behalf of the Committee. Mr. Dewar, Mr. Clair and Mr. Pattison attended the 1991 Farm Leaders' Course held at the Canadian International Grains Institute.

Meetings with producers were held in several locations across the Prairies in Advisory Committee districts. Date and places are shown on page 23.



*The Advisory Committee*

*Back row (standing left to right): Lorne Pattison, Dan Cutforth, Arthur Macklin, John Clair, Roy Atkinson, Lucille Evans (Secretary), Lee Erickson.*

*Middle Row (seated): Derek Dewar, Larry Maguire, Terry Hanson*

*Front Row (seated): Micheal Halyk, Wilfred Harder*

# Financial Results

The Financial Statements of the Canadian Wheat Board, including notes for the crop year under review, are presented in this section of the report.

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These statements consist of the Balance Sheet (Exhibit I), which sets forth the financial position of the Board as at July 31, 1991, together with other statements (Exhibits II to VIII) showing the results of Board operations for the year, all as tabulated in the index preceding the financial statements.

The practice of the Board is to include in its accounts at July 31, the final operating results of pool accounts where marketing operations have been completed before the issuance of the annual report. Operations on the 1990-91 pool accounts for wheat, amber durum wheat, barley and designated barley were completed on October 31, 1991. Details of the final operating results of these pool accounts with commentary thereon are presented in this section of the report.

Although the basic measurement for grain has been the "tonne" since February 1, 1978, for your information a tonne equals 36.74371 bushels of wheat, or 45.92963 bushels of barley.

## FINANCIAL RESULTS

Details of the final operating results of the Board on the 1990-91 Pool Accounts for wheat, amber durum wheat, barley and designated barley are presented in this section of the report with commentary thereon.

## POOL ACCOUNT — WHEAT

### Initial Payments

At the beginning of the crop year a fixed initial price of \$135.00 per tonne for No. 1 Canada Western Red Spring Wheat was set by the Government of Canada.

### Supplies of Wheat

Supplies of wheat in the 1990-91 Pool were 24 186 954 tonnes, comprised of 22 196 617 tonnes delivered by producers, 136 094 tonnes acquired from other than producers and 1 854 243 tonnes purchased from the previous pool.

### Grade Pattern

Deliveries of grain to the 1990-91 Pool Account were significantly higher in terms of both quality and quantity than the previous pool. Deliveries of Nos. 1 and 2 Canada Western Red Spring totaled 20.962 million tonnes or 94.44 per cent of total receipts compared to 66.35 percent for the previous pool, while No. 3 Canada Western Red Spring receipts of 0.347 million tonnes amounted to 1.56 per cent of total receipts. Deliveries of other types of wheat amounted to 0.887 million tonnes or 4.00 per cent of total producer deliveries.

# Final Statement of Operations — Wheat — Table A

Table A shows the operating results of the Pool Account for the crop year. Marketing operations resulted in a deficit of \$673,375,352

which is recoverable from the Government of Canada with funds provided by Parliament. The total payment realized by producers is, therefore, equal to the initial payments as shown in Table B.

TABLE A

## STATEMENT OF OPERATIONS ON THE 1990-91 POOL ACCOUNT — WHEAT

For the period August 1, 1990, to October 31, 1991

(with prior year figures for the 1989-90 Pool Account for comparison)

	1990-91 Pool Account		1989-90 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
<b>Receipts from Producers</b>	<b>22 196 617 tonnes</b>		<b>16 682 883 tonnes</b>	
Sales Value	\$2,492,118,923	\$112.275	\$2,968,728,228	\$177.950
Initial Payments to Producers	2,991,530,153	134.774	2,635,281,090	157.963
Gross (Deficit) Surplus	(499,411,230)	(22.499)	333,447,138	19.987
<b>Deduct Operating Costs:</b>				
Carrying Charges:				
Country Elevators	91,766,712	4.134	81,947,913	4.912
Terminal Storage	22,514,426	1.014	25,171,463	1.509
Total Carrying Charges	114,281,138	5.148	107,119,376	6.421
Interest	8,255,844	.372	(24,312,632)	(1.457)
Demurrage/Despatch	2,214,134	.100	(66,282)	(.004)
Additional Freight — to terminals	17,455,191	.786	15,876,539	.952
— freight rate change	1,068,672	.048	2,389,795	.143
Drying	106,961	.005	76,344	.004
Interest and Depreciation on				
Wheat Board Hopper Cars	6,604,870	.298	8,220,815	.493
Wheat Board Administrative Expenses	23,977,312	1.080	20,889,909	1.252
Total Operating Costs	173,964,122	7.837	130,193,864	7.804
(Deficit) Surplus on Operations	<u>\$ (673,375,352)</u>	<u>\$(30.336)</u>	203,253,274	12.183
Add: Interest earned after October 19			5,252,584	.315
Deduct: Cost of issuing Final Payment			152,440	.009
Deduct: Rebate on Producer Cars			161,708	.009
Balance for Distribution to Producers			<u>\$ 208,191,710</u>	<u>\$ 12.480</u>



TABLE B

**PAYMENTS RECEIVED BY PRODUCERS  
FOR PRINCIPAL GRADES OF WHEAT  
BASIS IN STORE THUNDER BAY OR VANCOUVER**

Grade	Initial Payments (dollars per tonne)
No. 1 Canada Western Red Spring 14.5	\$139.21
No. 1 Canada Western Red Spring 13.5	137.21
No. 1 Canada Western Red Spring	135.00
No. 2 Canada Western Red Spring 13.5	130.21
No. 2 Canada Western Red Spring	129.21
No. 3 Canada Western Red Spring	117.21
No. 1 Canada Prairie Spring	113.21
No. 2 Canada Prairie Spring	111.21
No. 1 Canada Western Utility	121.21
No. 2 Canada Western Utility	104.21
Canada Western Feed	95.00
No. 1 Canada Western Red Winter	118.21
No. 2 Canada Western Red Winter	116.21
No. 1 Canada Western Soft White Spring	117.00
No. 2 Canada Western Soft White Spring	114.00

**OPERATING COSTS**

Operating costs incurred applicable to the pool were \$173,964,122 or \$7.837 per tonne. Details of the principal costs and comment thereon follows:

**Carrying Charges — \$114,281,138**

Total carrying charges incurred by the Board, including storage and interest charges on wheat in country elevators and storage on wheat in terminal elevators, amounted to \$114,281,138 or \$5.148 per tonne.

**Interest — \$8,255,844**

This amount is the net of interest earnings, interest paid on borrowings, and interest paid to, or received from, other Board accounts. Interest paid exceeded interest earned by \$8,255,844 or \$.372 per tonne.

**Additional Freight**

— to Terminals — \$17,455,191  
— Freight Rate Change — \$1,068,672

During the crop year the Board paid \$17,455,191 of additional freight arising out of the movement of grain in adverse direction.

With the passage of the Western Grain Transportation Act on December 31, 1983, freight rates are now reviewed and adjusted annually. On August 1, 1991, freight rates increased by approximately 3.4% and the Board was required to pay the additional freight on the country stocks held by its agents on August 1, 1991, amounting to \$1,068,672 in the Wheat Account.

**Drying Charges — \$106,961**

Drying charges for 1990-91 totaled \$106,961, a marginal increase from the previous year, reflecting higher quantities of tough and damp grain delivered to the pool under review.

**Interest and Depreciation on Wheat Board Hopper Cars — \$6,604,870**

Costs for the use of the Board's 2,000 hopper cars (1,945 remain in the fleet at July 31, 1991) include depreciation and interest. Hopper car expenses attributable to the 1990-91 Wheat Account totaled \$6,604,870 compared to \$8,220,815 for the previous pool.

**Administrative and General Expenses — \$23,977,312**

This item represents the portion of the cost of operating the Board, including salaries, fringe benefits to employees and the cost of operating the Board's head office premises as well as other branches in Canada and overseas that was charged to the Wheat Account. Since the Pool Accounts run for periods which overlap crop years, some part of the operating costs for two consecutive crop years are allocated to the Pool Accounts based on length of time the Pool Accounts were open and tonnage handled. Charges allocated to the 1990-91 Wheat Account were \$23,977,312 or \$1.08 per tonne on producer receipts of 22 196 617 tonnes compared with \$20,889,909 or \$1.252 per tonne on producer receipts of 16 682 883 tonnes for the previous pool.

Administrative and general expenses for the 1990-91 crop year from August 1, 1990, to July 31, 1991, totaled \$32,842,896 compared to \$30,126,784 for the 1989-90 crop year; an increase of \$2,716,112 or 9.02 per cent.

**POOL ACCOUNT — AMBER DURUM WHEAT**

**Initial Payments**

At the beginning of the crop year a fixed initial price of \$125.00 per tonne for No. 1 Canada Western Amber Durum Wheat was set by the Government of Canada.

**Supplies of Amber Durum Wheat**

Supplies of amber durum wheat in the 1990-91 Pool were 3 975 860 tonnes, comprised of 3 418 375 tonnes delivered by producers, 14 093 tonnes acquired from other than producers, and 543 392 tonnes purchased from the previous pool.

**Grade Pattern**

Receipts of Nos. 1, 2 and 3 Canada Western Amber Durum totaled 3.384 million tonnes or 98.99 per cent of total producer deliveries. Board receipts of tough and damp durum made up approximately 0.08 per cent of deliveries.

**Final Statement of Operations — Amber Durum Wheat — Table C**

Table C shows the operating results of the Pool Account for the crop year. Marketing operations resulted in a deficit of \$69,612,457 which is recoverable from the Government of Canada with funds provided by Parliament. The total payment realized by producers is, therefore, equal to the initial payments as shown in Table D. Operating expenses totaled \$24,120,319 for the year or \$7.056 per tonne. The main cost was carrying charges amounting to \$17,639,023 or \$5.160 per tonne.

TABLE C

# STATEMENT OF OPERATIONS ON THE 1990-91 POOL ACCOUNT — AMBER DURUM WHEAT

For the period August 1, 1990, to October 31, 1991

(with prior year figures for the 1989-90 Pool Account for comparison)

	1990-91 Pool Account		1989-90 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
Receipts from Producers	3 418 375 tonnes		3 498 752 tonnes	
Sales Value	\$377,324,669	\$110.381	\$576,605,244	\$164.803
Initial Payments to Producers	422,816,807	123.689	502,789,898	143.706
Gross (Deficit) Surplus	(45,492,138)	(13.308)	73,815,346	21.097
Deduct Operating Costs:				
Carrying Charges:				
Country Elevators	12,064,130	3.529	15,557,532	4.447
Terminal Storage	5,574,893	1.631	6,236,353	1.782
Total Carrying Charges	17,639,023	5.160	21,793,885	6.229
Interest	1,063,772	.311	(1,939,580)	(.554)
Demurrage/Despatch	85,807	.025	(81,889)	(.023)
Additional Freight — to terminals	459,031	.134	922,856	.263
— freight rate change	159,808	.047	359,330	.103
Drying	3,089	.001	1,938	—
Interest and Depreciation on Wheat Board				
Hopper Cars	1,017,179	.298	1,724,078	.493
Wheat Board Administrative Expenses	3,692,610	1.080	4,391,658	1.255
Total Operating Costs	24,120,319	7.056	27,172,276	7.766
(Deficit) Surplus on Operations	\$(69,612,457)	\$(20.364)	46,643,070	13.331
Add: Interest earned after October 19			1,205,376	.344
Deduct: Cost of issuing Final Payment			40,285	.011
Deduct: Rebate on Producer Cars			14,790	.004
Balance for Distribution to Producers			\$ 47,793,371	\$ 13.660

TABLE D

# PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF AMBER DURUM WHEAT BASIS IN STORE THUNDER BAY OR VANCOUVER

Grade	Initial Payments (dollars per tonne)
No. 1 Canada Western Amber Durum	\$125.00
No. 2 Canada Western Amber Durum	122.00
No. 3 Canada Western Amber Durum	118.00
No. 4 Canada Western Amber Durum	102.00
No. 5 Canada Western Amber Durum	95.00

## POOL ACCOUNT — BARLEY

Since August 1, 1975, as authorized by Order-in-Council, barley selected and accepted from producers for use in malting, pot or pearling, has been set up in a separate pool under the caption "Designated Barley". As a result, the transactions remaining in the Barley Pool Account described here consist of marketing results related to feeding grades of barley.

### Initial Payments

At the beginning of the crop year fixed initial prices of \$90.00 and \$87.00 per tonne for Nos. 1 and 2 Canada Western Barley respectively were set by the Government of Canada.

### Supplies and Grade Pattern

Supplies in the regular Feed Barley Pool were 4 208 121 tonnes comprised of 4 127 250 tonnes delivered by producers, 23 028 tonnes acquired from other than producers, and 57 843 tonnes purchased from the previous pool. Deliveries of Nos. 1 and 2 Canada Western Barley comprised 99.91 per cent of the producer deliveries in the pool.

## Final Statement of Operations — Barley — Table E

Table E shows the operating results of the Pool Account for the crop year. Marketing operations resulted in a deficit of \$956,713 which is recoverable from the Government of Canada with funds provided by Parliament. The total payment realized by producers is, therefore, equal to the initial payments as shown in Table F. Operating expenses totaled \$21,476,551 for the year or \$5.204 per tonne. The main cost was carrying charges amounting to \$10,514,709 or \$2.548 per tonne.

TABLE F

### PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES OF BARLEY BASIS IN STORE THUNDER BAY OR VANCOUVER

Grade	Initial Payments (dollars per tonne)
No. 1 Canada Western	\$90.00
No. 2 Canada Western	87.00
Mixed Grain Canada Western Barley	77.45



TABLE E

# STATEMENT OF OPERATIONS ON THE 1990-91 POOL ACCOUNT — BARLEY

For the period August 1, 1990, to October 31, 1991

(with prior year figures for the 1989-90 Pool Account for comparison)

	1990-91 Pool Account		1989-90 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
<b>Receipts from Producers</b>	<b>4 127 250 tonnes</b>		<b>3 067 088 tonnes</b>	
Sales Value	\$391,661,514	\$ 94.897	\$394,905,079	\$128.756
Initial Payments to Producers	371,141,676	89.925	305,790,879	99.701
Gross Surplus	20,519,838	4.972	89,114,200	29.055
<b>Deduct Operating Costs:</b>				
Carrying Charges:				
Country Elevators	8,840,207	2.142	9,327,125	3.041
Terminal Storage	1,674,502	.406	1,426,806	.465
Total Carrying Charges	10,514,709	2.548	10,753,931	3.506
Interest	(3,893,139)	(.943)	(7,600,719)	(2.478)
Demurrage/Despatch	1,451,440	.352	1,074,813	.350
Additional Freight — to terminals	7,546,008	1.828	5,640,280	1.839
— freight rate change	169,583	.041	126,040	.041
Drying	1,484	—	7,914	.003
Interest and Depreciation on				
Wheat Board Hopper Cars	1,228,113	.298	1,511,367	.493
Wheat Board Administrative Expenses	4,458,353	1.080	3,730,064	1.216
Total Operating Costs	21,476,551	5.204	15,243,690	4.970
(Deficit) Surplus on Operations	\$ (956,713)	\$ (.232)	73,870,510	24.085
Deduct: Interim Payment			36,805,057	12.000
			37,065,453	12.085
Add: Interest earned after September 30			1,611,888	.525
Deduct: Cost of issuing Interim and Final Payments			129,003	.042
Deduct: Rebate on Producer Cars			41,044	.013
Balance for Distribution to Producers			\$ 38,507,294	\$ 12.555

## POOL ACCOUNT — DESIGNATED BARLEY

As stated previously, since August 1, 1975, as authorized by Order-in-Council, barley selected and accepted from producers for use in malting, pot or pearling, has been set up in a separate pool account. This account has been labeled "Designated Barley" and the results of operations on this account with comment thereon are contained in this section of the report.

### Initial Payments

At the beginning of the crop year a fixed initial price of \$115.00 per tonne for Special Select Canada Western Six-Row (Special Select CW 6-Row) and \$125.00 per tonne for Special Select Canada Western Two-Row (Special Select CW 2-Row) was set by the Government of Canada. Effective December 24, 1990, initial prices were increased to \$127.50 per tonne for Special Select CW 6-Row and \$137.50 for Special Select CW 2-Row.

### Supplies and Grade Pattern

Supplies of barley in the Designated Pool were 1 455 000 tonnes representing deliveries to the Board by producers during the crop year of barley which has been selected and accepted by purchasers for the use in malting, pot or pearling. Of these receipts 483 396 tonnes or 33.22 per cent were Special Select grades and 903 392 tonnes or 62.09 per cent were Select grades. Receipts of tough and damp grades totaled 13 992 tonnes or 0.96 per cent of total.

## Final Statement of Operations and Surplus for Distribution to Producers — Designated Barley — Table G

Table G shows the operating results of this Pool Account for the crop year. Marketing operations resulted in a surplus of \$26,725,009. As to operating costs, it should be noted that the Designated Barley Pool by its very nature does not incur all of the handling expenses normally related to feeding grades of barley or other grains. As a result, expenses attributable to such barley were costs related to hopper cars owned by the Wheat Board, administrative charges, and terminal storage which totaled \$2,021,732 or \$1.390 per tonne. These expenses were reduced by despatch and interest earnings totaling \$3,270,152 or \$2.248 per tonne. After deducting the interim payment of \$11,639,997 made to producers in November 1991, providing for the cost of issuing the interim and final payments, and adding estimated interest earnings subsequent to October 31, 1991, the net surplus for distribution to producers was \$15,348,713 or \$10.549 per tonne on producer deliveries of 1 455 000 tonnes. Table H shows the total payments received by producers for the principal grades of designated barley delivered during the crop year.

TABLE G

**STATEMENT OF OPERATIONS AND SURPLUS FOR DISTRIBUTION TO PRODUCERS  
ON THE 1990-91 POOL ACCOUNT — DESIGNATED BARLEY**

For the period August 1, 1990, to October 31, 1991

(with prior year figures for the 1989-90 Pool Account for comparison)

	1990-91 Pool Account		1989-90 Pool Account	
	Amount	Rate per Tonne	Amount	Rate per Tonne
<b>Receipts from Producers</b>	<b>1 455 000 tonnes</b>		<b>843 496 tonnes</b>	
Sales Value	\$216,853,460	\$149.040	\$170,705,524	\$202.379
Initial Payments to Producers	191,376,871	131.530	138,126,408	163.755
Gross Surplus	25,476,589	17.510	32,579,116	38.624
Deduct Operating Costs:				
Carrying Charges — Terminal Storage	17,054	.012	—	—
Interest	(3,259,909)	(2.241)	(4,087,105)	(4.845)
Demurrage/Despatch	(10,243)	(.007)	—	—
Interest and Depreciation on				
Wheat Board Hopper Cars	432,953	.298	415,649	.493
Wheat Board Administrative Expenses	1,571,725	1.080	1,025,824	1.216
Total Operating Costs	(1,248,420)	(.858)	(2,645,632)	(3.136)
Surplus on Operations	26,725,009	18.368	35,224,748	41.760
Deduct: Interim Payment	11,639,997	8.000	21,087,398	25.000
	15,085,012	10.368	14,137,350	16.760
Add: Interest earned after October 31 (1989-90 September 30)	312,372	.214	709,120	.841
Deduct: Cost of issuing Interim and Final Payments	48,671	.033	24,269	.029
Balance for Distribution to Producers	\$ 15,348,713	\$ 10.549	\$ 14,822,201	\$ 17.572

TABLE H

**PAYMENTS RECEIVED BY PRODUCERS FOR PRINCIPAL GRADES  
OF DESIGNATED BARLEY  
BASIS IN STORE THUNDER BAY OR VANCOUVER**

Grade	Initial Payments	Interim Payment (dollars per tonne)	Final Payments	Total
Special Select Canada Western Two-Row	\$137.50	\$8.00	\$ 9.29	\$154.79
Special Select Canada Western Six-Row	127.50	8.00	7.29	142.79
Select Canada Western Two-Row	132.50	8.00	11.79	152.29
Select Canada Western Six-Row	122.50	8.00	9.79	140.29

## INDEX TO FINANCIAL STATEMENTS July 31, 1991



Auditors' Report

Exhibit I  
Balance Sheet

Exhibit II  
Statement of Operations, 1990-91 Pool Account — Wheat

Exhibit III  
Statement of Operations, 1990-91 Pool Account — Amber Durum  
Wheat

Exhibit IV  
Statement of Operations, 1990-91 Pool Account — Barley

Exhibit V  
Statement of Operations, 1990-91 Pool Account — Designated Barley

Exhibit VI  
Statement of Administrative and General Expenses and Allocations to  
Operations for the Year ended July 31, 1991

Exhibit VII  
Statement of Advance Payments to Producers under the Prairie Grain  
Advance Payments Act

Exhibit VIII  
Statement of Special Account Transactions

Notes to Financial Statements







## AUDITORS' REPORT

To The Canadian Wheat Board:

We have examined the financial statements of the Canadian Wheat Board set out as Exhibits I to VIII and notes thereto which include the balance sheet as at July 31, 1991, and the statements of operations for the 1990-91 pool accounts for wheat, amber durum wheat, barley and designated barley for the period August 1, 1990, to completion of operations on October 31, 1991, the statement of administrative and general expenses and allocations to operations for the year ended July 31, 1991, the statement of advance payments to producers under Prairie Grain Advance Payments Act as at July 31, 1991, and the statement of special account transactions for the year ended July 31, 1991. These financial statements are the responsibility of the Board's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with generally accepted auditing standards. Those standards require that we plan and perform an audit to obtain reasonable assurance whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation.

In our opinion, these financial statements present fairly, in all material respects, the financial position of the Board as at July 31, 1991, and the results of its operations and the changes in its financial position for the periods shown, in accordance with generally accepted accounting principles.

Chartered Accountants

March 5, 1992

## EXHIBIT I

**THE CANADIAN WHEAT BOARD  
BALANCE SHEET AS AT JULY 31, 1991**

(with prior year figures for comparison)

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ASSETS	1991	1990
Stocks of grain: (Note 1[a])		
— Wheat .....	\$ 762,893,850	\$ 624,797,702
— Durum .....	105,680,862	148,783,030
— Barley .....	74,638,137	58,712,133
— Designated Barley .....	38,863,113	16,738,826
	<u>982,075,962</u>	<u>849,031,691</u>
Bills of exchange plus accrued interest (Note 2) .....	5,449,996,699	4,625,484,239
Accounts receivable (Note 3)		
Amounts due on completed sales .....	21,944,059	15,234,576
Sundry .....	29,271,316	20,980,637
Prairie Grain Advance Payments Act .....	298,075,836	39,135,534
Due from the Government of Canada		
re: Deficit on Pool Account Operations:		
1990-91 Pool Account — Wheat .....	673,375,352	—
— Durum .....	69,612,457	—
— Barley .....	956,713	—
The Canadian Wheat Board Building, Winnipeg, at cost less depreciation .....	1,402,929	1,507,216
Covered hopper cars, at cost less depreciation (Note 4) .....	54,304,899	57,534,605
Office furniture, equipment and automobiles, at cost less depreciation .....	1,712,264	1,187,661
Deferred and prepaid expenses .....	1,477,839	1,653,857
	<u>\$7,584,206,325</u>	<u>\$5,611,750,016</u>

LIABILITIES	1991	1990
Short term borrowings (Note 5) .....	\$6,535,992,148	\$4,507,217,127
Liability to agents for grain purchased from producers (Note 6) .....	812,274,563	551,700,354
Liability to agents for deferred cash tickets (Note 7) .....	89,409,515	113,558,903
Accrued expenses and accounts payable (Note 8) .....	111,383,008	71,990,424
Outstanding adjustment and final payment cheques to producers:		
— Wheat .....	591,422	839,201
— Durum .....	102,099	105,654
— Oats .....	4,406	4,796
— Designated Oats .....	1,117	1,186
— Barley .....	116,136	59,609
— Designated Barley .....	39,051	46,897
Special Account — net balance of undistributed payment accounts (Note 9) .....	5,194,441	5,022,637
Provision for final payment expenses (Note 10) .....	2,373,410	2,211,626
Surpluses resulting from operations:		
Pool Account:		
— Wheat .....	—	203,253,274
— Durum .....	—	46,643,070
— Barley .....	—	73,870,510
— Designated Barley .....	26,725,009	35,224,748
	\$7,584,206,325	\$5,611,750,016

## EXHIBIT II

### THE CANADIAN WHEAT BOARD 1990-91 POOL ACCOUNT — WHEAT STATEMENT OF OPERATIONS

For the period August 1, 1990, to completion of operations on October 31, 1991  
(with prior year figures for the 1989-90 Pool Account ended October 19, 1990, for comparison)

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#### Wheat acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....  
Net tonnes acquired from the adjustment of overages and shortages, etc., at country and  
terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver .....  
Purchased from prior year Pool Account — Wheat. ....

#### Wheat sold:

Completed sales to July 31 basis in store Thunder Bay, Vancouver or Churchill:  
Domestic .....  
Export .....  
Weight losses in transit and in drying .....

Wheat stocks — being Wheat stocks on hand at July 31 stated at the ultimate value received  
from the sale thereof, basis in store Thunder Bay, Vancouver or Churchill:

Completed sales for the period subsequent to July 31:  
Domestic .....  
Export .....  
Sale to the subsequent Pool Account — Wheat .....

(Deficit) Surplus on Wheat transactions .....

#### Operating costs:

Carrying charges:  
Carrying charges on Wheat stored in country elevators .....  
Storage on Wheat stored in terminal elevators .....  
  
Interest and bank charges .....  
Demurrage/Despatch .....  
Additional Freight— Wheat shipped from country stations to terminal position .....  
— freight rate change .....  
Drying charges .....  
Interest and depreciation on Wheat Board hopper cars .....  
Wheat Board administrative and general expenses .....

(Deficit) Surplus on operations of the Board on the Pool Account — Wheat, for the period from  
August 1, 1990, to October 31, 1991 (1989-90 October 19, 1990) .....



1990-91		1989-90	
Tonnes	Amount	Tonnes	Amount
22 196 617	\$2,991,530,153	16 682 883	\$2,635,281,090
136 093	17,714,860	111 848	19,477,505
1 854 243	247,571,444	1 607 091	316,768,543
<u>24 186 953</u>	<u>3,256,816,457</u>	<u>18 401 822</u>	<u>2,971,527,138</u>
1 330 097		1 395 857	
16 113 084		12 724 571	
7 559		1 706	
<u>17 450 740</u>	1,994,511,377	<u>14 122 134</u>	2,680,176,574
493 496		420 480	
4 614 087		2 004 965	
1 628 630		1 854 243	
<u>6 736 213</u>	762,893,850	<u>4 279 688</u>	624,797,702
<u>24 186 953</u>	<u>2,757,405,227</u>	<u>18 401 822</u>	<u>3,304,974,276</u>
	(499,411,230)		333,447,138
	91,766,712		81,947,913
	<u>22,514,426</u>		<u>25,171,463</u>
	114,281,138		107,119,376
	8,255,844		(24,312,632)
	2,214,134		(66,282)
	17,455,191		15,876,539
	1,068,672		2,389,795
	106,961		76,344
	6,604,870		8,220,815
	<u>23,977,312</u>		<u>20,889,909</u>
	173,964,122		130,193,864
	\$ (673,375,352)		\$ 203,253,274

EXHIBIT III

THE CANADIAN WHEAT BOARD  
1990-91 POOL ACCOUNT — AMBER DURUM WHEAT  
STATEMENT OF OPERATIONS

For the period August 1, 1990, to completion of operations on October 31, 1991  
(with prior year figures for the 1989-90 Pool Account ended October 19, 1990, for comparison)

40

Durum acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....  
Net tonnes acquired from the adjustment of overages and shortages, etc., at country and  
terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver .....  
Purchased from prior year Pool Account — Durum .....

Durum sold:

Completed sales to July 31 basis in store Thunder Bay, Vancouver or Churchill:  
Domestic .....  
Export .....  
Weight losses in transit and in drying .....

Durum stocks — being Durum stocks on hand at July 31 stated at the ultimate value received  
from the sale thereof, basis in store Thunder Bay, Vancouver or Churchill:

Completed sales for the period subsequent to July 31:  
Domestic .....  
Export .....  
Sale to the subsequent Pool Account — Durum .....

(Deficit) Surplus on Amber Durum Wheat transactions .....

Operating costs:

Carrying charges:  
Carrying charges on Durum stored in country elevators .....  
Storage on Durum stored in terminal elevators .....  
  
Interest and bank charges .....  
Demurrage/Despatch .....  
Additional Freight — Durum shipped from country stations to terminal position .....  
— freight rate change .....  
Drying charges .....  
Interest and depreciation on Wheat Board hopper cars .....  
Wheat Board administrative and general expenses .....

(Deficit) Surplus on operations of the Board on the Pool Account — Durum, for the period from  
August 1, 1990, to October 31, 1991 (1989-90 October 19, 1990) .....

1990-91		1989-90	
Tonnes	Amount	Tonnes	Amount
3 418 375	\$422,816,807	3 498 752	\$ 502,789,898
14 093	1,773,124	27 482	3,921,707
543 392	67,217,671	424 785	77,630,578
<u>3 975 860</u>	<u>491,807,602</u>	<u>3 951 019</u>	<u>584,342,183</u>
203 515		178 920	
2 742 970		2 612 712	
1 203		1 348	
<u>2 947 688</u>	340,634,602	<u>2 792 980</u>	509,374,499
68 044		48 398	
598 236		566 249	
361 892		543 392	
<u>1 028 172</u>	105,680,862	<u>1 158 039</u>	148,783,030
<u>3 975 860</u>	<u>446,315,464</u>	<u>3 951 019</u>	<u>658,157,529</u>
	(45,492,138)		73,815,346
	12,064,130		15,557,532
	<u>5,574,893</u>		<u>6,236,353</u>
	17,639,023		21,793,885
	1,063,772		(1,939,580)
	85,807		(81,889)
	459,031		922,856
	159,808		359,330
	3,089		1,938
	1,017,179		1,724,078
	3,692,610		4,391,658
	<u>24,120,319</u>		<u>27,172,276</u>
	(\$ 69,612,457)		\$ 46,643,070

## EXHIBIT IV

### THE CANADIAN WHEAT BOARD 1990-91 POOL ACCOUNT — BARLEY STATEMENT OF OPERATIONS

For the period August 1, 1990, to completion of operations on October 31, 1991

(with prior year figures for the 1989-90 Pool Account ended September 30, 1990, for comparison)

42

#### Barley acquired:

Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver .....	
Net tonnes acquired from the adjustment of overages and shortages, etc., at country and terminal elevators at Board initial prices basis in store Thunder Bay or Vancouver .....	
Purchased from prior year Pool Account — Barley .....	

#### Barley sold:

Completed sales to July 31 basis in store Thunder Bay, Vancouver or Churchill .....	
Weight losses in transit and in drying .....	
Barley stocks — being Barley stocks on hand at July 31 stated at the ultimate value received from the sale thereof, basis in store Thunder Bay, Vancouver or Churchill:	
Completed sales for the period subsequent to July 31 .....	
Sale to the subsequent Pool Account — Barley .....	

Surplus on Barley transactions .....

#### Operating costs:

Carrying charges:	
Carrying charges on Barley stored in country elevators .....	
Storage on Barley stored in terminal elevators .....	
Interest and bank charges .....	
Demurrage/Despatch .....	
Additional Freight— Barley shipped from country stations to terminal position. .... — freight rate change .....	
Drying charges .....	
Interest and depreciation on Wheat Board hopper cars .....	
Wheat Board administrative and general expenses .....	

(Deficit) Surplus on operations of the Board on the Pool Account — Barley, for the period  
from August 1, 1990, to October 31, 1991 (1989-90 September 30, 1990) .....



1990-91		1989-90	
Tonnes	Amount	Tonnes	Amount
4 127 250	\$371,141,676	3 067 088	\$ 305,790,879
23 028	2,078,725	17 436	1,769,992
57 843	5,581,991	468 190	59,307,067
<u>4 208 121</u>	<u>378,802,392</u>	<u>3 552 714</u>	<u>366,867,938</u>
3 419 027	324,684,093	3 009 602	397,270,005
25	—	30	—
584 311	55,383,163	485 239	53,130,142
204 758	19,254,974	57 843	5,581,991
<u>4 208 121</u>	<u>399,322,230</u>	<u>3 552 714</u>	<u>455,982,138</u>
	<u>20,519,838</u>		<u>89,114,200</u>
	8,840,207		9,327,125
	1,674,502		1,426,806
	10,514,709		10,753,931
	(3,893,139)		(7,600,719)
	1,451,440		1,074,813
	7,546,008		5,640,280
	169,583		126,040
	1,484		7,914
	1,228,113		1,511,367
	4,458,353		3,730,064
	<u>21,476,551</u>		<u>15,243,690</u>
	(\$ 956,713)		\$ 73,870,510

EXHIBIT V

THE CANADIAN WHEAT BOARD  
1990-91 POOL ACCOUNT — DESIGNATED BARLEY  
STATEMENT OF OPERATIONS

For the period August 1, 1990, to completion of operations on October 31, 1991  
(with prior year figures for the 1989-90 Pool Account ended September 30, 1990, for comparison)

Designated Barley acquired:	
Purchased from Producers at Board initial prices basis in store Thunder Bay or Vancouver . . . . .	
Designated Barley sold:	
Completed sales to July 31 basis in store Thunder Bay or Vancouver . . . . .	
Designated Barley stocks — being Designated Barley stocks on hand at July 31 stated at the ultimate value received from the sale thereof, basis in store Thunder Bay or Vancouver:	
Completed sales for the period subsequent to July 31 . . . . .	
Surplus on Designated Barley transactions . . . . .	
Operating costs:	
Storage . . . . .	
Interest . . . . .	
Demurrage/Despatch . . . . .	
Interest and depreciation on Wheat Board hopper cars . . . . .	
Wheat Board administrative and general expenses . . . . .	
Surplus on operations of the Board on the Pool Account — Designated Barley, for the period from August 1, 1990, to October 31, 1991 (1989-90 September 30, 1990) . . . . .	

1990-91		1989-90	
Tonnes	Amount	Tonnes	Amount
<u>1 455 000</u>	<u>\$191,376,871</u>	<u>843 496</u>	<u>\$138,126,408</u>
1 194 722	177,990,347	761 788	153,966,698
<u>260 278</u>	<u>38,863,113</u>	<u>81 708</u>	<u>16,738,826</u>
<u>1 455 000</u>	<u>216,853,460</u>	<u>843 496</u>	<u>170,705,524</u>
	<u>25,476,589</u>		<u>32,579,116</u>
	17,054		—
	(3,259,909)		(4,087,105)
	(10,243)		—
	432,953		415,649
	1,571,725		1,025,824
	<u>(1,248,420)</u>		<u>(2,645,632)</u>
	\$ 26,725,009		\$ 35,224,748

# THE CANADIAN WHEAT BOARD STATEMENT OF ADMINISTRATIVE AND GENERAL EXPENSES AND ALLOCATIONS TO OPERATIONS

For the year ended July 31, 1991 (with prior year figures for comparison)

Administrative and General Expenses:	1990-91	1989-90
Salaries — Board members, officers and staff .....	\$17,927,932	\$16,547,555
Unemployment insurance, pension, group insurance, medical and other employee benefits .....	2,537,702	2,334,722
Manitoba Health and Education Tax .....	366,882	372,140
Advisory Committee operating and election expenses (1989-90 operating costs only) .....	338,706	171,636
Rental and lighting of offices including maintenance of The Canadian Wheat Board Building .....	1,929,803	1,615,432
Telephones, telex and facsimile transmissions .....	660,477	616,699
Postage .....	767,722	845,987
Printing, stationery and supplies .....	645,173	467,183
Annual report, mini report and "Grain Matters", etc. ....	147,350	130,357
District meetings .....	35,256	31,884
Office and miscellaneous .....	1,134,000	896,364
Travelling and transfer of staff .....	1,039,000	972,995
Area Representatives .....	220,932	235,389
Legal fees and court costs .....	134,306	191,107
Audit fees .....	108,000	108,000
Computing equipment — rental and sundries .....	2,926,497	2,811,447
Repair and upkeep of office machines and equipment .....	34,518	19,615
Grain market publications and services .....	147,670	136,561
The Canadian Wheat Board share of operating expenses of Canadian International Grains Institute .....	1,216,952	1,124,533
Bonds and insurance .....	38,364	35,185
Depreciation on building, furniture, equipment and automobiles .....	442,929	348,546
Review Panel .....	42,725	113,447
	<b>\$32,842,896</b>	<b>\$30,126,784</b>



Allocations to Operations:		1990-91	1989-90
1.	Marketing of Producers' Grain		
	1990-91 Pool Account — Wheat .....	\$12,732,745	
	1990-91 Pool Account — Durum .....	1,960,898	
	1990-91 Pool Account — Barley .....	2,367,532	
	1990-91 Pool Account — Designated Barley .....	834,638	
	1989-90 Pool Account — Wheat .....	10,095,326	
	1989-90 Pool Account — Durum .....	2,127,812	
	1989-90 Pool Account — Barley .....	1,745,524	
	1989-90 Pool Account — Designated Barley .....	480,046	
		<u>32,344,521</u>	\$29,572,966
2.	Distributing Final Payments to Producers		
(a)	Wheat and Durum		
	1989-90 Pool Account — Wheat .....	212,039	
	1989-90 Pool Account — Durum .....	50,561	
	1988-89 Pool Account — Wheat .....	39,056	
	1988-89 Pool Account — Durum .....	9,293	
	1987-88 Pool Account — Wheat .....	3,476	
	1987-88 Pool Account — Durum .....	473	
	1986-87 Pool Account — Wheat .....	3,441	
	1986-87 Pool Account — Durum .....	469	
	1985-86 Pool Account — Durum .....	3,755	
	1984-85 Pool Account — Wheat .....	2,263	
	1984-85 Pool Account — Durum .....	310	
		<u>325,136</u>	362,699
(b)	Coarse Grains		
	1989-90 Pool Account — Barley .....	117,083	
	1989-90 Pool Account — Designated Barley .....	21,206	
	1988-89 Pool Account — Designated Oats .....	1,630	
	1988-89 Pool Account — Barley .....	18,919	
	1988-89 Pool Account — Designated Barley .....	3,617	
	1987-88 Pool Account — Oats .....	757	
	1987-88 Pool Account — Designated Oats .....	133	
	1987-88 Pool Account — Barley .....	2,220	
	1987-88 Pool Account — Designated Barley .....	396	
	1986-87 Pool Account — Oats .....	1,428	
	1986-87 Pool Account — Designated Oats .....	249	
	1985-86 Pool Account — Designated Oats .....	847	
	1985-86 Pool Account — Designated Barley .....	2,478	
	1984-85 Pool Account — Oats .....	495	
	1984-85 Pool Account — Designated Oats .....	86	
	1984-85 Pool Account — Barley .....	1,441	
	1984-85 Pool Account — Designated Barley .....	254	
		<u>173,239</u>	191,119
		\$32,842,896	\$30,126,784

**THE CANADIAN WHEAT BOARD  
STATEMENT OF ADVANCE PAYMENTS TO PRODUCERS  
UNDER THE PRAIRIE GRAIN ADVANCE PAYMENTS ACT**

As at July 31, 1991

	Cash Advances to Producers	Advances Repaid by Producers	Balance to be Refunded by Producers
1957-58 Crop Year .....	\$ 35,203,467	\$ 35,200,848	\$ 2,619
1958-59 Crop Year .....	34,369,653	34,366,768	2,885
1959-60 Crop Year .....	38,492,505	38,490,061	2,444
1960-61 Crop Year .....	63,912,550	63,905,269	7,281
1961-62 Crop Year .....	16,656,713	16,651,472	5,241
1962-63 Crop Year .....	29,251,526	29,245,974	5,552
1963-64 Crop Year .....	62,136,418	62,129,679	6,739
1964-65 Crop Year .....	32,961,844	32,955,727	6,117
1965-66 Crop Year .....	40,600,386	40,596,511	3,875
1966-67 Crop Year .....	36,668,270	36,664,915	3,355
1967-68 Crop Year .....	47,280,533	47,277,578	2,955
1968-69 Crop Year .....	151,852,319	151,771,755	80,564
1969-70 Crop Year .....	272,777,516	272,477,615	299,901
1970-71 Crop Year .....	91,105,890	91,076,244	29,646
1971-72 Crop Year .....	68,142,360	68,109,571	32,789
1972-73 Crop Year .....	20,754,104	20,743,234	10,870
1973-74 Crop Year .....	35,259,387	35,220,735	38,652
1974-75 Crop Year .....	46,635,399	46,609,707	25,692
1975-76 Crop Year .....	20,236,528	20,208,239	28,289
1976-77 Crop Year .....	130,592,220	130,484,629	107,591
1977-78 Crop Year .....	119,090,916	118,932,241	158,675
1978-79 Crop Year .....	151,316,450	151,203,379	113,071
1979-80 Crop Year .....	99,146,581	99,084,630	61,951
1980-81 Crop Year .....	61,640,150	61,600,433	39,717
1981-82 Crop Year .....	333,688,190	333,271,974	416,216
1982-83 Crop Year .....	309,022,755	308,315,165	707,590
1983-84 Crop Year .....	286,736,519	286,058,876	677,643
1984-85 Crop Year .....	201,289,320	200,509,437	779,883
1985-86 Crop Year .....	340,670,296	339,722,519	947,777
1986-87 Crop Year .....	642,511,850	640,786,164	1,725,686
1987-88 Crop Year .....	563,607,958	560,065,648	3,542,310
1988-89 Crop Year .....	319,522,186	316,096,466	3,425,720
1989-90 Crop Year *	144,260,874	138,329,700	5,931,174
1990-91 Crop Year .....	1,461,787,145	1,170,001,771	291,785,374
	<u>\$6,309,180,778</u>	<u>\$5,998,164,934</u>	
Balance to be refunded by Producers as at July 31, 1991 .....			311,015,844
Add: Bank interest to July 31, 1991 payable by the Government of Canada ..		244,153,409	
Less: Amount paid by the Government to July 31, 1991 .....		236,637,749	7,515,660
Bank interest to July 31, 1991 .....		12,056,020	
Less: Amount paid by Producers to July 31, 1991 .....		7,229,224	4,826,796
			<u>323,358,300</u>
Deduct: Balance of funds received			
Government of Canada — to cover advance payments in default .....		22,280,972	
Line Elevator Companies — to cover advance payments in default .....		500,992	
Line Elevator Companies — to cover current advances .....		3,392	
Interest received on default payments .....		20,668,914	
Less: Interest forwarded to the Government of Canada .....		(18,171,806)	25,282,464
Owing to The Canadian Wheat Board as at July 31, 1991 .....			<u>\$298,075,836</u>

\* During the 1989-90 Crop Year, the producer was required to pay interest on the cash advance. During the 1990-91 Crop Year, the producer was required to pay interest on the part of the cash advance that was in excess of \$50,000. In prior years, the Government of Canada paid all the interest.

THE CANADIAN WHEAT BOARD  
STATEMENT OF SPECIAL ACCOUNT TRANSACTIONS  
For the year ended July 31, 1991

Balance of Special Account as at July 31, 1990 .....	\$5,022,637
Transfer to Special Account authorized by Order-in-Council P.C. 1991 - 1244 from the following:	
1983 Wheat Payment Account .....	\$ 624,702
1983 Durum Payment Account .....	34,887
1983 Oats Payment Account .....	(24,557)
1983 Designated Oats Payment Account .....	(3,977)
1983 Barley Payment Account .....	195,138
1983 Designated Barley Payment Account .....	<u>14,695</u>
	<u>840,888</u>
	5,863,525

Expenditures:

Authorized by Order-in-Council No.	Description of Purpose	Unexpended as at July 31, 1990	Authorized Crop Year 1990-91	Unexpended as at July 31, 1991	Expended Crop Year 1990-91
P.C. 1991 — 1245	Market Development .....	\$144,559	\$ 400,000	\$ 223,992	\$320,567
P.C. 1991 — 1246	Canadian International Grains Institute — Capital Expenditures .....	—	600,000	600,000	—
P.C. 1990 — 1538	Scholarship Program .....	143,359	206,641	83,305	266,695
P.C. 1990 — 1539	Canadian International Grains Institute — Capital Expenditures .....	609,654	—	528,232	81,422
		<u>\$897,572</u>	<u>\$1,206,641</u>	<u>\$1,435,529</u>	<u>668,684</u>
					5,194,841
Less:	Payments to producers against old payment accounts .....				400
Balance of Special Account as at July 31, 1991 .....					\$5,194,441

As at July 31, 1991, there were unexpended authorizations totaling \$1,435,529 of which \$528,232 expires on that date leaving an unallocated balance of \$4,284,144 in the Account.

## NOTES TO FINANCIAL STATEMENTS

The following are an integral part of the financial statements.

### (1) ACCOUNTING POLICIES

#### (a) Operating Results and Valuation of Stocks of Grain

The annual accounts at July 31 include the final operating results of all pool accounts for the crop year ended July 31, where marketing operations have been completed before the issuance of the annual report for that year. In determining the financial results for such pools, the accounts of the Board at July 31 include:

(i) the stocks of such grains on hand at that date at the values which were ultimately received from the sale thereof basis instore Thunder Bay, Vancouver or Churchill; and

(ii) provision for all expenses incurred or to be incurred before the sales proceeds are realized in cash or in bills of exchange, including a charge for the portion of administrative and general expenses to be incurred subsequent to July 31 but relating to the marketing and accounting for the grains in the various pools before they are closed.

#### (b) Foreign Currency Translations

Bills of exchange receivable in United States funds which are covered by forward exchange contracts are translated at the contract rates. In all other cases, bills of exchange receivable and bank loans payable in United States funds are translated at the rate of exchange in effect as at the balance sheet date. Foreign exchange adjustments arising from conversion of bills of exchange and bank loans are included in operating results.

#### (c) Depreciation

The rates of depreciation being applied are intended to fully depreciate assets over their expected lives and are as follows:

Hopper cars .....	30 years
Office building .....	40 years
Office furniture and equipment .....	10 years
Automotive equipment .....	2 years
(to 1/3 residual value)	

#### (d) Administration and General Expenses

Administration and general expenses, except for that portion of such expenses attributable to distributing final payments to producers, are allocated to the various pool account operations to which the services relate on the basis of the relative tonnage. Expenses attributable to final payments are allocated on the basis of the number of producers receiving payments from the various pool accounts.



## (2) **BILLS OF EXCHANGE PLUS ACCRUED INTEREST**

Of the \$5,449,996,699 in total bills of exchange receivable, \$2,998,589,553 (1990 — \$1,981,139,867) represents the Canadian equivalent of \$2,604,524,931 (1990 — \$1,720,187,433) repayable in United States funds.

The balances receivable arise from sales of grain to Algeria, Brazil, Egypt, Ethiopia, Haiti, Iraq, Jamaica, Mexico, Peru, Poland, Russia, Yemen, and Zambia. The terms call for payment in full within 36 months or less from time of shipment, except for Brazil, Egypt, Haiti, Jamaica, Mexico, Peru, Poland and Zambia where the Board, together with the Canadian government, have agreed to reschedule certain receivables beyond their original maturity dates. Terms of such reschedulings call for payment of interest and the rescheduled debt within a maximum of 25 years. As at July 31, 1991, total reschedulings amounted to \$3,649,349,850 including \$1,344,865,252 which is the Canadian equivalent of \$1,168,127,553 receivable in United States funds.

Subsequent to the crop year, the Board together with the Government of Canada concluded a bilateral rescheduling and debt reduction agreement with Poland, rescheduling over an 18-year period the total stock of debt outstanding at April 1, 1991. The debt reduction agreement between the Government of Canada and Poland provides for debt service assistance by the Government of Canada. The net present value of these payments will equal 50 per cent of the value of the stock

of debt outstanding at April 1, 1991. Payments by the Government of Canada are made directly to the Board. As at July 31, 1991, the amounts subject to this rescheduling total \$2,941,313,277 which includes the Canadian equivalent of \$1,163,195,330 receivable in United States funds.

Subsequent to the crop year, the Board together with the Government of Canada concluded a bilateral rescheduling and debt reduction agreement with Egypt, rescheduling over a 25-year period the total stock of debt outstanding at July 1, 1991. The debt reduction agreement between the Government of Canada and Egypt provides for debt service assistance by the Government of Canada. The net present value of these payments will equal 50 per cent of the stock of debt outstanding at July 1, 1991. Payments by the Government of Canada are made directly to the Board. The accounts of the Board at July 31, 1991, included \$225,453,828 which was subject to this rescheduling.

During the crop year, the Board together with the Government of Canada signed a bilateral rescheduling and debt reduction agreement with Zambia to reschedule payments due and not paid at June 30, 1990, and falling due in the period July 1, 1990, to December 31, 1991. The debt reduction agreement between the Government of Canada and Zambia provides for assistance on interest payments. Payments by the Government of Canada are made directly to the Board. The accounts of the Board as at July 31, 1991, included

\$35,451,351 which was subject to this rescheduling. As at July 31, 1991, of this total, \$33,133,361 had already matured and was already subject to this agreement.

During the crop year, the Board together with the Government of Canada signed a bilateral agreement with Jamaica, to reschedule over a 10-year period principal amounts due and not paid for the period December 1, 1989, to May 31, 1991. The accounts of the Board at July 31, 1991, included \$1,863,910 which was subject to this rescheduling.

During the crop year, the Government of Canada and other creditor nations agreed to a further deferral of certain Jamaican obligations that had earlier been rescheduled under bilateral agreements signed in 1984 and 1985. Principal and interest, excluding late interest, due and not paid from June 1, 1991, to June 30, 1992, are to be rescheduled under this agreement. The accounts of the Board at July 31, 1991, include \$860,250 which will be included in this rescheduling.

Subsequent to the crop year, the Government of Canada and other creditor nations agreed to a deferral of certain Peruvian obligations. Amounts outstanding at September 30, 1991, as well as payments falling due in the period October 1, 1991, to December 31, 1992, under the agreed minute signed in 1978 will be subject to this rescheduling. Amounts due and unpaid, resulting from credit sales in 1984 may be

deferred as well. As at July 31, 1991, the amounts subject to this agreement total \$22,664,057 which includes the Canadian equivalent of \$11,577,998 receivable in United States funds.

Subsequent to the crop year, the Government of Canada and other creditor nations agreed to a deferral of certain Russian obligations. Principal balances coming due in the period December 5, 1991, to December 31, 1992, under contracts entered into before January 1, 1991, are to be deferred to December 31, 1992. As at July 31, 1991, the amounts subject to this deferral total \$221,883,190 which is the Canadian equivalent of \$192,724,042 receivable in United States funds.

Credit sales are made within limits established by the Government of Canada which guarantees the Board's borrowings incurred to finance such sales, both as to principal and interest. Because of these guarantees, the Board is not at risk should any of the unpaid amounts prove to be uncollectible; therefore, no provision is made in its accounts with respect to the possibility of debtors defaulting on their obligations.

### (3) ACCOUNTS RECEIVABLE

Accounts Receivable include amounts due on completed sales as at July 31 where settlement was received shortly after that date. Sundry accounts receivable consists mainly of freight costs which are recovered on completed sales.

**(4) COVERED HOPPER CARS**

The Board purchased 2,000 covered hopper cars in 1979-80 having an original cost of \$90,555,623. Of these 2,000 cars, 55 cars have been wrecked and dismantled leaving 1,945 still in the fleet having an original cost of \$88,065,343 with accumulated depreciation of \$33,760,444 to July 31, 1991. The Board is reimbursed for destroyed cars under an operating agreement with the Canadian National Railway.

**(5) SHORT TERM BORROWINGS**

Details of these borrowings are as shown below.

Of the total borrowings, \$2,976,581,538 (1990 — \$1,979,709,692) represents the Canadian equivalent of \$2,585,409,136 (1990 — \$1,718,945,638) repayable in United States funds.

The Board's borrowings are undertaken with the approval of the Minister of Finance and are guaranteed by the Government of Canada.

**(6) LIABILITY TO AGENTS FOR GRAIN PURCHASED FROM PRODUCERS**

Grain companies, acting in the capacity of agents of the Board, accept deliveries from producers at country elevators and pay the producers on behalf of the Board based on the Board's initial price in effect.

Settlement is not made by the Board for these purchases until delivery to the Board is completed by its agents at terminal or mill position.

Liability to agents amounting to \$812,274,563 (1990 — \$551,700,354) represents the amount payable by the Board to its agents for 6 332 552 (1990 — 3 734 428) tonnes of grain on hand at country elevator points and in transit at July 31 for which delivery to and settlement by the Board is to be completed subsequent to year end date.

---

**July 31**

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	1991	1990
Ordinary Operations		
Borrowings.....	\$1,111,185,206	—
Funds on Deposit .....	—	\$ (141,351,592)
Borrowings to finance credit sales ....	5,424,806,942	4,648,568,719
	\$6,535,992,148	\$4,507,217,127

---

**(7) LIABILITY TO AGENTS  
FOR DEFERRED CASH  
TICKETS**

Grain companies, as agents of the Board, deposit with the Board in trust an amount equal to the deferred cash tickets issued for Board grain. These monies are returned to the grain companies to cover producer-deferred cash tickets maturing predominantly during the first days of the following calendar year.

**(8) ACCRUED EXPENSES AND  
ACCOUNTS PAYABLE**

This item principally comprises accrued carrying charges, storage, interest and transportation charges to July 31, 1991, together with all other unpaid sundry accounts as at the foregoing date. It also includes provisions for all charges relating to the marketing of pool accounts for the period from August 1, 1991, to completion of operations on October 31, 1991.

**(9) SPECIAL ACCOUNT — NET  
BALANCE OF  
UNDISTRIBUTED  
PAYMENT ACCOUNTS**

In accordance with the provision of Section 30 of the Canadian Wheat Board Act, the Governor in Council may authorize the Board to transfer to a Special Account the unclaimed balances remaining in payment accounts which have been payable to producers for a period of six years or more. In addition to providing for payment of proper claims from producers against these old payment accounts, the Section further provides that these funds shall be used for purposes as the Governor in Council, upon the

recommendations of the Board, may deem to be for the benefit of producers.

**(10) PROVISION FOR FINAL  
PAYMENT EXPENSES**

This item represents the balance of the Board's reserve for final payment expenses of pool accounts that have been closed. Six years after particular accounts have been closed, the remaining reserves for these pools are transferred to the special account by Order-in-Council.

**(11) LEASE COMMITMENTS**

The Board, as an agent of Her Majesty in Right of Canada, is the lessor of 2,000 covered hopper cars for the Government of Canada. All lease costs are recoverable from the government and are not a charge to the operations of the Board. Total payments associated with leases in the year ended July 31, 1991, amounting to \$14,986,937 (1990 — \$15,106,298) have been recovered by the Board. Lease terms are for 20 and 25 years.

**(12) STATEMENT OF CHANGES  
IN FINANCIAL POSITION**

Changes in financial position are evident from the balance sheet and the statements of operations for the pool accounts and for this reason a statement of changes in financial position has not been included.



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TABLE I

# ACREAGE OF PRINCIPAL GRAINS IN THE WESTERN CANADIAN PROVINCES 1982 TO 1991

Year	Wheat	Durum	All Wheat	Oats	Barley (thousand acres)	Rye	Flaxseed <sup>2</sup>	Canola	Total
1982	26,950	3,650	30,600	3,170	11,875	997	1,550	4,390	52,582
1983	29,660	3,500	33,160	2,620	9,830	956	1,065	5,750	53,381
1984	27,710	4,150	31,860	2,680	10,395	815	1,780	7,610	55,140
1985	28,920	4,300	33,220	2,710	10,800	830	1,830	6,875	56,265
1986	29,750	4,560	34,310	2,610	10,810	721	1,865	6,430	56,746
1987	27,230	5,400	32,630	2,520	11,240	725	1,460	6,560	55,135
1988	25,525	5,600	31,125	2,720	9,260	581	1,240	9,010	53,936
1989	26,325	6,450	32,775	3,480	10,535	1,189	1,480	7,125	56,584
1990	29,355	5,220	34,575	2,475	10,665	984	1,790	6,330	56,819
1991 <sup>1</sup>	30,246	4,940	35,186	1,735	10,076	420	1,310	8,010	56,737

<sup>1</sup> Preliminary: subject to revision.

<sup>2</sup> Flaxseed acreage for British Columbia not available.

Source: Statistics Canada.

TABLE II

# YIELD OF PRINCIPAL GRAINS IN THE WESTERN CANADIAN PROVINCES 1982 TO 1991

Year	Wheat	Durum	All Wheat	Oats	Barley (kilograms per acre)	Rye	Flaxseed	Canola
1982	860	855	859	930	1 085	821	474	512
1983	775	749	772	826	945	775	417	453
1984	655	502	635	732	885	702	389	447
1985	729	455	694	822	976	613	493	504
1986	882	854	878	957	817	775	550	577
1987	774	743	769	969	1 119	628	499	582
1988	497	353	471	894	985	391	301	475
1989	729	635	710	817	987	698	336	430
1990	914	816	899	935	1 189	681	511	511
1991 <sup>1</sup>	903	930	907	863	1 120	740	527	531

<sup>1</sup> Preliminary: subject to revision.

Source: Statistics Canada.

TABLE III

# PRODUCTION OF PRINCIPAL GRAINS IN THE WESTERN CANADIAN PROVINCES 1982 TO 1991

Year	Wheat	Durum	All Wheat	Oats	Barley (thousand tonnes)	Rye	Flaxseed <sup>2</sup>	Canola	Total
1982	23 174	3 121	26 295	2 949	12 882	819	734	2 246	45 925
1983	22 976	2 620	25 596	2 165	9 286	741	444	2 602	40 834
1984	18 137	2 085	20 222	1 961	9 197	572	693	3 407	36 052
1985	21 089	1 957	23 046	2 227	11 061	509	902	3 467	41 212
1986	26 247	3 897	30 144	2 726	13 216	559	1 026	3 713	51 384
1987	21 076	4 014	25 090	2 442	12 580	455	729	3 817	45 113
1988	12 682	1 979	14 661	2 431	9 121	227	373	4 277	31 090
1989	19 182	4 098	23 280	2 842	10 401	830	498	3 064	40 915
1990	26 831	4 262	31 093	2 314	12 675	670	935	3 238	50 925
1991 <sup>1</sup>	27 308	4 596	31 904	1 497	11 291	311	691	4 258	49 952

<sup>1</sup> Preliminary: subject to revision.

<sup>2</sup> Flaxseed production for British Columbia not available.

Source: Statistics Canada.

TABLE IV

# NUMBER OF CANADIAN WHEAT BOARD DELIVERY PERMITS ISSUED TO PRODUCERS CROP YEARS 1971-72 TO 1990-91

Crop Year	Manitoba	Alberta and Saskatchewan	British Columbia	Total
1971-72	33,124	82,876	60,886	176,886
1972-73	31,963	80,706	58,943	171,612
1973-74	31,042	78,775	56,654	166,471
1974-75	29,348	77,098	53,262	159,708
1975-76	29,326	76,101	52,689	158,116
1976-77	28,579	75,440	52,638	156,657
1977-78	28,283	74,630	50,834	153,747
1978-79	27,545	73,803	50,199	151,547
1979-80	26,366	72,400	48,891	147,657
1980-81	25,784	71,400	48,464	145,648
1981-82	25,829	71,533	48,655	146,017
1982-83	25,741	71,404	48,588	145,733
1983-84	25,586	71,505	48,378	145,469
1984-85	25,180	70,778	47,605	143,563
1985-86	24,914	70,679	47,730	143,323
1986-87	24,600	70,785	48,043	143,428
1987-88	25,271	70,686	48,280	144,237
1988-89	24,810	70,014	48,417	143,241
1989-90	24,090	68,938	47,267	140,295
1990-91	23,341	67,954	45,654	136,949

TABLE V

## SUMMARY OF CROP YEAR QUOTAS AS AT JULY 31, 1991

58

Grain	Quota Name	Kilograms Quota Acre	Bushels/ Quota Acre	Grades	Area
Canada Western Red Spring Wheat	A-G	420	15.3	All	All
Red Winter Wheat	A-G	1 500	55.3	All	All
Soft White Spring Wheat	A-F	1 490	55.1	All	All
Contract Soft White Spring Wheat		2 000	73.5	Straight 1 & 2 CW	All
Selected Soft White Spring Wheat	1 carlot per 40 acres or 1 360 kg per acre per truck				
Utility Types of Wheat	A-E	1 350	50.0	All	All
Contract Utility Types of Wheat		3 000	110.2	Straight 1 CW	All
Canada Prairie Spring Wheat	A-E	1 350	50.0	All	All
Durum Wheat	A-G	420	15.3	All	All
Barley	A-G	880	40.7	All	All
Contract Barley	Series A-E	2 000	91.8	All	All
Designated Barley	maximum of 9 carlots of which 6 carlots of 2-Row and 3 carlots of 6-Row				
Oats		1 500	97.3		
Rye		1 260	49.6		
Flaxseed		1 000	39.4		
Canola		1 500	66.1		
Off-Board Wheat		1 090	40.0		
Off-Board Barley		1 320	60.6		



TABLE VI

**PRODUCERS' MARKETINGS - WESTERN CANADIAN GRAINS  
CROP YEARS 1981-82 TO 1990-91**

Crop Year	Wheat	Durum	All Wheat	Oats	Barley (thousand tonnes)	Rye	Flaxseed	Canola	Total
1981-82	17 064	2 607	19 671	503	7 505	617	377	1 991	30 664
1982-83	22 462	2 868	25 330	365	7 023	518	536	2 016	35 788
1983-84	20 749	2 273	23 022	407	6 690	691	381	2 264	33 455
1984-85	16 398	1 784	18 182	314	5 077	331	533	2 984	27 421
1985-86	19 277	1 691	20 968	320	6 435	238	689	2 926	31 576
1986-87	19 474	2 934	22 408	457	7 448	259	777	3 364	34 713
1987-88	19 515	3 240	22 755	599	5 746	258	601	3 328	33 287
1988-89	12 073	1 791	13 864	1 095	5 571	173	295	3 493	24 491
1989-90	17 072	3 641	20 713	672	5 427	409	368	2 993	30 582
1990-91 <sup>1</sup>	22 631	3 430	26 061	439	6 310	304	483	2 953	36 550

<sup>1</sup> Preliminary: subject to revision.

Source: Canadian Grain Commission for 1990-91.

All previous years – Statistics Canada "Grain Trade of Canada".

TABLE VII

**PRIMARY ELEVATOR SHIPMENTS  
CROP YEARS 1981-82 TO 1990-91**

Crop Year	Wheat	Durum	All Wheat	Oats	Barley (thousand tonnes)	Rye	Flaxseed	Canola	Total
1981-82	17 643	2 638	20 281	465	7 459	507	394	1 285	30 391
1982-83	21 089	2 871	23 960	368	6 815	388	382	1 228	33 141
1983-84	21 149	2 544	23 693	414	7 086	738	528	1 446	33 905
1984-85	17 803	1 933	19 736	303	4 551	346	490	1 757	27 183
1985-86	17 481	1 438	18 919	236	5 859	283	558	1 616	27 471
1986-87	19 849	2 550	22 399	445	7 508	197	625	2 148	33 322
1987-88	20 578	3 593	24 171	523	5 674	239	554	2 273	33 434
1988-89	12 205	1 851	14 056	1 043	5 221	181	340	2 524	23 365
1989-90	16 519	3 547	20 066	626	5 773	362	372	2 482	29 681
1990-91 <sup>1</sup>	20 740	3 254	23 994	370	5 985	318	372	2 337	33 376

<sup>1</sup> Preliminary: subject to revision.

Source: Canadian Grain Commission for 1990-91.

All previous years – Statistics Canada "Grain Trade of Canada".

TABLE VIII

## STOCKS ON FARMS IN WESTERN CANADA AS AT JULY 31 FOR YEARS 1981-1991

Grain	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991 <sup>1</sup>
(thousand tonnes)											
Wheat	1 372	3 325	1 814	1 530	920	685	4 575	4 575	650	540	1 805
Durum	163	195	146	160	140	60	415	415	125	150	550
Oats	446	536	825	465	345	455	800	660	390	660	750
Barley	990	1 820	3 055	930	700	815	1 330	2 370	1 000	920	1 560
Rye	53	103	220	105	145	160	235	170	70	215	240
Flaxseed	56	38	118	25	25	65	140	125	50	15	240
Canola	404	71	40	15	85	275	170	160	455	225	165
<b>Total</b>	<b>3 484</b>	<b>6 088</b>	<b>6 218</b>	<b>3 230</b>	<b>2 360</b>	<b>2 515</b>	<b>7 665</b>	<b>8 475</b>	<b>2 740</b>	<b>2 725</b>	<b>5 310</b>

<sup>1</sup> Subject to revision.

Source: Statistics Canada – Field Crop Reporting Series.

TABLE IX

## STOCKS IN COMMERCIAL POSITIONS BY GRAIN AT JULY 31 FOR YEARS 1981-1991

Grain	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991 <sup>1</sup>
(thousands tonnes)											
Wheat	5 923	5 115	6 945	6 851	6 134	7 305	6 530	3 644	3 544	4 540	6 986
Durum	1 002	1 038	1 028	604	384	494	1 195	1 126	701	1 202	934
Oats	150	215	175	125	124	171	144	207	271	174	157
Barley	2 063	2 181	1 903	891	1 291	2 209	1 602	1 200	1 725	1 009	1 213
Rye	169	230	431	326	233	142	165	159	141	173	117
Flaxseed	288	221	347	130	119	207	302	287	132	39	105
Canola	924	621	446	105	375	675	449	491	694	544	255
<b>Total</b>	<b>10 519</b>	<b>9 621</b>	<b>11 275</b>	<b>9 032</b>	<b>8 660</b>	<b>11 203</b>	<b>10 387</b>	<b>7 114</b>	<b>7 208</b>	<b>7 681</b>	<b>9 767</b>

<sup>1</sup> Subject to revision.

Source: Statistics Canada – Cereals and Oilseeds Review, November 1991.

TABLE X

# CANADIAN WHEAT SUPPLIES AND DISPOSITION CROP YEARS 1967-68 TO 1991-92

Crop Year	Inward Carryover <sup>1</sup>		Production	Total Supplies	Domestic Disappearance <sup>2</sup>		Exports <sup>1</sup> Wheat and Flour	Total Outward <sup>1</sup> Carryover July 31st
	August 1st				Farm	Commercial <sup>3</sup>		
	Farm	Commercial						
	(thousand tonnes)							
1967-68	5 443	10 117	16 137	31 697	2 366	1 884	9 145	18 302
1968-69	6 613	11 689	17 689	35 991	2 479	2 006	8 323	23 183
1969-70	10 130	13 053	18 267	41 450	2 166	2 402	9 430	27 452
1970-71	14 770	12 682	9 024	36 476	2 355	2 295	11 846	19 980
1971-72	10 746	9 235	14 412	34 393	2 435	2 351	13 720	15 887
1972-73	8 477	7 410	14 515	30 402	2 384	2 381	15 692	9 945
1973-74	3 130	6 815	16 162	26 107	2 280	2 292	11 446	10 089
1974-75	2 205	7 884	13 304	23 393	2 016	2 560	10 779	8 038
1975-76	1 633	6 405	17 081	25 119	2 396	2 408	12 336	7 979
1976-77	1 578	6 401	23 587	31 566	2 523	2 289	13 436	13 318
1977-78	7 158	6 160	19 858	33 176	2 460	2 561	16 040	12 115
1978-79	5 007	7 108	21 136	33 251	2 466	2 790	13 084	14 911
1979-80	8 954	5 957	17 196	32 107	2 688	2 809	15 889	10 721
1980-81	4 273	6 448	19 292	30 013	2 732	2 509	16 262	8 510
1981-82	1 585	6 925	24 803	33 313	2 831	2 322	18 447	9 713
1982-83	3 560	6 153	26 736	36 449	2 602	2 496	21 368	9 983
1983-84	2 010	7 973	26 505	36 488	3 191	2 342	21 765	9 190
1984-85	1 735	7 455	21 199	30 389	2 914	2 294	17 583	7 598
1985-86	1 080	6 518	24 252	31 850	2 958	2 583	17 725	8 584
1986-87	775	7 799	31 377	39 951	3 956	2 481	20 783	12 731
1987-88	5 007	7 724	25 991	38 722	5 169	2 730	23 518	7 305
1988-89	2 535	4 770	15 996	23 301	3 135	2 721	12 413	5 032
1989-90	787	4 245	24 575	29 607	3 130	2 617	17 418	6 442
1990-91	700	5 742	32 709	39 151	3 941	2 825	22 098	10 287
1991-92 <sup>4</sup>	2 367	7 920	32 822	43 109				

<sup>1</sup> Source: Statistics Canada.

<sup>2</sup> A residual item. Farm disappearance is computed by adding inward farm carryover and production and deducting marketings and outward farm carryover. Commercial disappearance is computed by adding inward commercial carryover and marketings and deducting outward commercial carryover and exports.

<sup>3</sup> Human food consumption in 1989-90 amounted to 2 268 000 tonnes. In 1990-91 the amount was 2 407 000 tonnes.

<sup>4</sup> Preliminary: subject to revision.

TABLE XI

# CANADIAN BARLEY SUPPLIES AND DISPOSITION CROP YEARS 1967-68 TO 1991-92

Crop Year	Inward Carryover <sup>1</sup>		Production	Total Supplies	Domestic		Exports <sup>1</sup>	Outward <sup>1</sup>
	August 1st				Disappearance <sup>2</sup>	Barley and Malt	Carryover July 31st	
	Farm	Commercial						
								Farm
(thousand tonnes)								
1967-68	1 459	1 410	5 505	8 374	3 499	1 123	902	2 850
1968-69	1 552	1 298	7 099	9 949	3 876	1 200	575	4 298
1969-70	2 972	1 325	8 084	12 381	4 602	1 391	1 923	4 465
1970-71	2 765	1 700	8 889	13 354	5 158	1 145	3 910	3 141
1971-72	1 342	1 799	13 098	16 239	6 121	1 270	5 020	3 828
1972-73	1 872	1 956	11 284	15 112	6 081	1 231	3 598	4 202
1973-74	1 915	2 287	10 218	14 420	5 576	1 531	2 776	4 537
1974-75	1 436	3 101	8 790	13 327	4 557	1 653	3 013	4 104
1975-76	1 110	2 994	9 510	13 614	4 837	1 688	4 326	2 763
1976-77	1 088	1 675	10 513	13 276	4 634	1 641	3 783	3 218
1977-78	1 132	2 086	11 802	15 020	4 582	1 690	3 540	5 208
1978-79	3 113	2 095	10 397	15 605	4 943	1 967	3 800	4 895
1979-80	3 200	1 695	8 478	13 373	5 139	2 142	4 086	2 006
1980-81	1 100	906	11 394	13 400	4 899	1 777	3 521	3 203
1981-82	1 140	2 063	13 724	16 927	5 370	1 424	6 002	4 131
1982-83	1 950	2 181	13 965	18 096	5 631	1 688	5 648	5 129
1983-84	3 225	1 904	10 209	15 338	5 656	2 174	5 537	1 971
1984-85	1 080	891	10 296	12 267	5 434	1 896	2 781	2 156
1985-86	865	1 291	12 387	14 543	5 713	1 726	3 795	3 309
1986-87	1 100	2 209	14 569	17 878	6 646	1 342	6 718	3 172
1987-88	1 570	1 602	13 957	17 129	7 273	1 555	4 594	3 707
1988-89	2 507	1 200	10 212	13 919	6 071	2 170	2 878	2 800
1989-90	1 075	1 725	11 673	14 473	6 085	1 836	4 506	2 046
1990-91	1 037	1 009	13 924	15 970	6 853	1 579	4 635	2 903
1991-92 <sup>3</sup>	1 690	1 213	12 463	15 366				

<sup>1</sup> Source: Statistics Canada.

<sup>2</sup> A residual item. Farm disappearance is computed by adding inward farm carryover and production and deducting marketings and outward farm carryover. Commercial disappearance is computed by adding inward commercial carryover and marketings and deducting outward commercial carryover and exports.

<sup>3</sup> Preliminary: subject to revision.



TABLE XII

# EXPORTS OF CANADIAN GRAIN AND GRAIN PRODUCTS CROP YEARS 1966-67 TO 1990-91

Crop Year	Wheat <sup>1</sup>	Flour <sup>2</sup>	Oats and	Barley and	Rye	Flaxseed <sup>3</sup>	Canola <sup>4</sup>	Corn	Total
			Oat	Barley					
			Products	Products					
(thousand tonnes)									
1966-67	13 157	867	74	1 275	253	433	313	2	16 374
1967-68	8 473	672	55	901	121	349	279	2	10 852
1968-69	7 653	670	42	575	108	355	325	6	9 734
1969-70	8 696	734	80	1 923	97	500	504	2	12 536
1970-71	11 169	676	206	3 910	227	571	1 062	5	17 826
1971-72	13 047	673	161	5 020	273	692	966	29	20 861
1972-73	15 057	636	107	3 598	209	529	1 226	21	21 383
1973-74	10 902	543	13	2 776	116	400	1 063	5	15 818
1974-75	10 229	550	22	3 013	123	273	664	4	14 878
1975-76	11 637	699	281	4 326	299	212	820	233	18 507
1976-77	12 711	725	494	3 783	168	369	1 449	180	19 879
1977-78	15 246	794	90	3 540	271	282	1 476	323	22 022
1978-79	12 302	782	17	3 800	154	514	2 287	192	20 048
1979-80	15 215	674	103	4 086	397	475	2 420	344	23 714
1980-81	15 569	693	46	3 521	446	607	2 212	1 051	24 145
1981-82	17 973	474	51	6 002	561	481	2 040	1 281	28 863
1982-83	20 956	411	105	5 648	313	471	1 752	511	30 167
1983-84	21 285	480	122	5 536	747	629	2 460	429	31 688
1984-85	17 113	470	19	2 781	376	564	2 590	569	24 482
1985-86	17 354	372	44	3 794	276	626	2 365	490	25 321
1986-87	20 353	430	257	6 718	201	693	3 648	113	32 413
1987-88	23 173	342	286	4 594	221	629	3 459	369	32 703
1988-89	12 118	291	733	2 879	115	458	3 217	30	19 841
1989-90	17 247	170	722	4 506	295	514	3 048	23	26 525
1990-91 <sup>5</sup>	21 911	187	209	4 795	342	501	3 193	123	31 261

<sup>1</sup> Wheat exports include bagged Seed Wheat.

<sup>2</sup> Wheat equivalent.

<sup>3</sup> Flaxseed exports include Linseed Oil for all years and Linseed Oil and Meal for 1979-80 forward.

<sup>4</sup> Canola exports for the years 1966-67 to 1972-73 do not include Canola Oil exports. The years 1973-74 onward include Canola Oil and Canola Meal exports.

<sup>5</sup> Preliminary: subject to revision.

Source: Canadian Grain Commission "Canadian Grain Exports" for 1990-91.

All previous years -- Statistics Canada "Grain Trade of Canada".

TABLE XIII

CANADIAN WHEAT (INCLUDING DURUM) EXPORTS BY AREAS AND COUNTRIES  
CROP YEARS 1981-82 TO 1990-91

Country	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91 <sup>1</sup>
(thousand tonnes)										
WESTERN EUROPE:										
EC-12:										
Belgium and Luxembourg	16	23	10	127	100	91	336	190	140	237
Denmark	—	—	1	1	1	—	—	—	—	—
France	88	107	199	104	58	1	—	—	—	—
Germany, Federal Republic	18	1	26	3	3	21	6	11	—	—
Greece	—	—	—	—	—	—	—	—	—	8
Ireland	1	—	1	1	—	—	2	—	—	—
Italy	515	624	742	240	367	634	440	409	357	320
Netherlands	38	17	103	107	78	72	6	—	9	—
Portugal *	—	—	—	—	149	269	118	120	106	32
Spain *	—	—	—	—	—	—	—	—	15	—
United Kingdom	1 366	1 109	955	633	702	503	413	410	271	281
TOTAL EC-12:	2 042	1 881	2 037	1 216	1 458	1 591	1 321	1 140	898	878
OTHER WESTERN EUROPE:										
Finland	29	—	—	7	—	—	—	14	11	—
Iceland	—	—	—	—	—	—	—	3	7	7
Malta	—	—	—	—	—	36	—	—	60	—
Norway	57	70	148	62	68	89	128	70	83	41
Sweden	—	2	—	4	2	—	—	—	—	—
Switzerland	49	109	49	9	—	—	16	42	26	9
TOTAL OTHER	135	181	197	82	70	125	144	129	187	57
WESTERN EUROPE:										
135	181	197	82	70	125	144	129	187	57	
EASTERN EUROPE:										
Bulgaria	—	—	—	—	216	153	40	—	—	—
Czechoslovakia	14	5	5	5	—	11	6	3	4	—
Germany, Democratic Republic	—	308	73	170	48	199	104	60	64	—
Poland	1 674	622	52	91	22	31	—	—	33	—
U.S.S.R.	5 019	6 959	6 761	6 019	5 219	5 391	4 500	2 657	3 497	7 228
TOTAL EASTERN EUROPE:	6 707	7 894	6 891	6 285	5 505	5 785	4 650	2 720	3 598	7 228
TOTAL EUROPE:	8 884	9 956	9 125	7 583	7 033	7 501	6 115	3 989	4 683	8 163
AFRICA:										
Algeria	590	512	813	508	492	448	764	326	605	869
Angola	—	—	—	—	—	—	8	—	—	—
Burkina	—	—	—	—	—	—	—	—	1	—
Canary Islands	—	—	—	—	—	14	—	—	—	—
Chad	—	—	7	5	—	—	—	—	—	—
Djibouti	—	—	—	—	—	—	—	10	—	—
Ethiopia	45	92	49	128	93	91	230	102	74	101
Gabon	—	—	—	—	—	—	—	—	3	—
Ghana	45	24	63	37	66	40	81	67	75	129
Ivory Coast	1	—	—	—	—	—	—	—	—	—
Kenya	16	—	—	39	—	2	—	—	13	6
Lesotho	—	—	—	—	—	16	—	—	—	—
Libya	291	110	93	124	174	136	96	78	170	—
Mali	—	13	—	—	—	10	—	9	4	8
Mauritania	—	4	11	11	10	—	7	—	3	5
Morocco	15	—	—	—	—	—	22	30	11	171
Mozambique	16	25	14	21	7	21	44	62	44	56
Niger	2	4	—	2	—	—	—	2	4	—
Nigeria	—	21	66	—	133	—	—	—	—	—
Rwanda	—	1	—	—	—	—	—	—	1	1
Senegal	9	13	10	9	8	21	16	7	16	11
Somalia	7	—	—	—	—	—	—	—	—	—
South Africa	—	—	—	—	55	—	33	—	177	554
Sudan	—	—	2	4	5	3	2	—	22	73
Tanzania	13	—	13	10	—	12	—	—	—	—
Togo	—	21	23	7	8	14	15	26	19	—
Tunisia	10	—	—	—	—	25	41	17	19	28
Uganda	—	9	1	—	—	6	—	—	5	—
Upper Volta	—	3	2	—	—	—	—	—	—	—
Zambia	—	—	—	12	10	16	27	14	—	—
Zimbabwe	—	—	17	17	—	11	25	14	5	35
TOTAL AFRICA:	1 060	852	1 184	934	1 061	886	1 411	764	1 271	2 047

TABLE XIII (continued)

CANADIAN WHEAT (INCLUDING DURUM) EXPORTS BY AREAS AND COUNTRIES  
CROP YEARS 1981-82 TO 1990-91

Country	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91 <sup>1</sup>
	(thousand tonnes)									
<b>MIDDLE EAST:</b>										
Arab Republic of Egypt	316	23	662	450	464	208	100	—	—	26
Cyprus	—	—	32	14	—	20	21	—	8	—
Iran	73	107	488	41	61	128	1 113	26	1 445	1 419
Iraq	258	280	608	367	347	691	884	784	783	—
Israel	—	—	18	99	25	95	18	—	—	—
Jordan	—	—	—	—	—	—	—	—	6	—
Kuwait	—	—	—	—	—	—	—	—	32	—
Lebanon	91	158	—	—	6	—	—	—	—	—
Saudi Arabia	—	26	—	—	—	—	—	—	—	—
Syria	—	242	260	529	—	—	11	—	—	6
Turkey	—	—	—	—	89	—	—	—	52	26
United Arab Emirates	—	—	—	—	—	—	—	—	16	—
Yemen, P.D.R.	—	24	—	108	—	—	1	3	—	79
<b>TOTAL MIDDLE EAST:</b>	<b>738</b>	<b>860</b>	<b>2 068</b>	<b>1 608</b>	<b>992</b>	<b>1 142</b>	<b>2 148</b>	<b>813</b>	<b>2 342</b>	<b>1 556</b>
<b>ASIA:</b>										
Bangladesh	264	312	476	65	536	358	220	291	336	363
China, People's Rep. of	3 101	4 424	3 428	2 780	2 558	4 065	7 586	2 812	4 581	2 923
Hong Kong	9	6	13	13	9	11	10	12	12	10
India	91	7	513	5	—	—	44	—	12	31
Indonesia	32	224	201	200	333	189	189	246	337	285
Japan	1 367	1 341	1 325	1 323	1 272	1 349	1 481	1 354	1 465	1 393
Korea, Dem. People's Republic	—	—	—	—	—	20	28	—	21	367
Korea, South	—	—	6	—	472	1 173	617	38	—	1 258
Malaysia	—	5	—	72	9	57	61	110	105	221
Nepal	—	—	—	—	—	—	—	3	—	—
Pakistan	54	29	58	33	41	51	54	78	73	76
Philippines	—	—	—	—	21	100	32	117	360	171
Singapore	—	46	—	—	—	21	5	—	—	6
Sri Lanka	21	98	124	100	108	54	73	8	6	—
Taiwan	28	85	84	81	108	55	119	81	109	135
Thailand	—	—	—	—	—	—	17	45	83	89
<b>TOTAL ASIA:</b>	<b>4 967</b>	<b>6 577</b>	<b>6 228</b>	<b>4 672</b>	<b>5 467</b>	<b>7 503</b>	<b>10 536</b>	<b>5 195</b>	<b>7 500</b>	<b>7328</b>
<b>WESTERN HEMISPHERE:</b>										
Argentina	—	—	—	—	—	—	—	—	—	13
Barbados	5	—	2	—	—	—	—	—	3	—
Belize	—	1	—	—	—	—	—	—	—	—
Bolivia	—	—	12	—	—	20	—	12	11	9
Brazil	1 314	1 503	1 362	1 145	986	780	449	14	220	383
Chile	24	—	—	—	—	—	—	—	—	34
Colombia	—	—	—	—	57	190	75	163	167	198
Costa Rica	4	—	—	—	—	—	—	—	—	4
Cuba	730	878	772	598	1 029	1 017	843	530	421	472
Dominican Republic	—	—	—	—	—	—	—	—	10	38
Ecuador	—	—	—	—	—	—	—	—	10	16
El Salvador	—	—	2	—	—	—	—	2	—	5
Grenada	—	—	—	—	—	—	—	2	—	—
Haiti Republic	20	—	—	25	—	—	—	—	—	29
Honduras	—	2	1	4	4	—	—	2	—	—
Jamaica	31	23	22	24	39	38	39	37	67	63
Mexico	154	189	276	—	—	258	353	—	—	62
Nicaragua	18	—	48	—	—	10	58	—	—	—
Panama	—	—	—	—	—	1	—	—	—	—
Peru	8	—	49	26	47	344	209	—	—	152
St. Christopher	—	—	—	—	—	—	—	2	—	—
St. Lucia	—	—	—	—	2	1	—	8	—	—
St. Vincent	—	—	—	—	—	—	—	7	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	2	—
United States	—	115	63	159	274	344	369	255	359	660
Uruguay	—	—	—	—	—	46	35	—	—	—
Venezuela	15	—	69	294	320	112	532	323	181	680
<b>TOTAL WESTERN HEMISPHERE:</b>	<b>2 323</b>	<b>2 711</b>	<b>2 678</b>	<b>2 275</b>	<b>2 758</b>	<b>3 161</b>	<b>2 962</b>	<b>1 357</b>	<b>1 451</b>	<b>2 818</b>
<b>TOTAL BULK WHEAT:</b>	<b>17 972</b>	<b>20 956</b>	<b>21 283</b>	<b>17 072</b>	<b>17 311</b>	<b>20 193</b>	<b>23 172</b>	<b>12 118</b>	<b>17 247</b>	<b>21 912</b>
<b>BAGGED SEED WHEAT:</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>42</b>	<b>43</b>	<b>2</b>	<b>1</b>	<b>9</b>	<b>7</b>	<b>1</b>
<b>GRAND TOTAL:</b>	<b>17 973</b>	<b>20 957</b>	<b>21 284</b>	<b>17 114</b>	<b>17 354</b>	<b>20 195</b>	<b>23 173</b>	<b>12 127</b>	<b>17 254</b>	<b>21 913</b>

<sup>1</sup> Preliminary: subject to revision.

\* Portugal and Spain joined the EC during 1986-87.

Source: Canadian Grain Commission "Canada Grain Exports" for 1990-91.

All previous years - Statistics Canada "Grain Trade of Canada".

TABLE XIV

**CANADIAN DURUM WHEAT EXPORTS BY AREAS AND COUNTRIES  
CROP YEARS 1981-82 TO 1990-91**

Country	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91 <sup>1</sup>
	(thousand tonnes)									
WESTERN EUROPE:										
EC-12:										
Belgium and Luxembourg	13	—	—	36	10	14	78	52	66	102
France	88	99	199	104	58	—	—	—	—	—
Germany, Federal Republic	18	—	17	2	—	12	3	10	—	—
Ireland	1	—	—	1	—	—	—	—	—	—
Italy	423	525	504	182	255	480	232	214	155	107
Netherlands	24	12	86	24	1	29	6	—	—	—
Portugal *	—	—	—	—	—	—	—	6	29	8
Spain *	—	—	—	—	—	—	—	—	15	—
United Kingdom	5	2	2	4	8	5	9	11	9	10
<b>TOTAL EC-12:</b>	<b>572</b>	<b>638</b>	<b>808</b>	<b>353</b>	<b>332</b>	<b>540</b>	<b>328</b>	<b>293</b>	<b>274</b>	<b>227</b>
OTHER WESTERN EUROPE:										
Finland	—	—	—	—	—	—	—	7	11	—
Malta	—	—	—	—	—	36	—	—	—	—
Norway	—	11	13	6	11	—	13	6	7	17
Sweden	—	1	—	3	—	—	—	—	—	—
Switzerland	27	44	16	2	—	—	—	17	24	9
<b>TOTAL OTHER WESTERN EUROPE:</b>	<b>27</b>	<b>56</b>	<b>29</b>	<b>11</b>	<b>11</b>	<b>36</b>	<b>13</b>	<b>30</b>	<b>42</b>	<b>26</b>
EASTERN EUROPE:										
Czechoslovakia	14	5	5	5	—	11	6	3	4	—
Germany, Democratic Republic	—	26	51	50	48	47	53	60	61	—
Poland	112	59	52	25	—	—	—	—	33	—
U.S.S.R.	860	1 204	555	533	254	498	992	714	1 095	1 185
<b>TOTAL EASTERN EUROPE:</b>	<b>986</b>	<b>1 294</b>	<b>663</b>	<b>613</b>	<b>302</b>	<b>556</b>	<b>1 051</b>	<b>777</b>	<b>1 193</b>	<b>1 185</b>
<b>TOTAL EUROPE:</b>	<b>1 585</b>	<b>1 988</b>	<b>1 500</b>	<b>977</b>	<b>645</b>	<b>1 132</b>	<b>1 392</b>	<b>1 100</b>	<b>1 509</b>	<b>1 438</b>
AFRICA:										
Algeria	589	512	813	508	492	423	611	326	605	869
Ethiopia	—	—	—	—	—	—	—	—	4	—
Libya	52	47	93	103	108	136	96	78	170	—
Mauritania	—	4	8	11	10	—	7	—	—	5
Morocco	—	—	—	—	—	—	—	—	—	27
Mozambique	—	—	—	—	—	—	8	—	—	—
Sudan	—	—	—	—	—	—	—	—	—	32
Tunisia	—	—	—	—	—	—	41	17	19	28
<b>TOTAL AFRICA</b>	<b>641</b>	<b>563</b>	<b>914</b>	<b>622</b>	<b>610</b>	<b>559</b>	<b>763</b>	<b>421</b>	<b>798</b>	<b>961</b>



TABLE XIV (continued)

CANADIAN DURUM WHEAT EXPORTS BY AREAS AND COUNTRIES  
CROP YEARS 1981-82 TO 1990-91

Country	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91 <sup>1</sup>
	(thousand tonnes)									
<b>MIDDLE EAST:</b>										
Cyprus	—	—	—	7	—	9	10	—	—	—
Iran	—	—	—	—	—	—	—	—	5	7
Iraq	—	—	—	52	—	—	—	—	61	—
Kuwait	—	—	—	—	—	—	—	—	6	—
Turkey	—	—	—	—	—	—	—	—	—	26
<b>TOTAL MIDDLE EAST:</b>	—	—	—	59	—	9	10	—	72	33
<b>ASIA:</b>										
China, People's Rep. of	—	—	—	—	—	—	—	15	30	—
Japan	32	77	60	61	18	79	94	118	141	145
Korea, South	—	—	—	—	—	20	53	—	—	—
<b>TOTAL ASIA:</b>	32	77	60	61	18	99	147	133	171	145
<b>WESTERN HEMISPHERE:</b>										
Argentina	—	—	—	—	—	—	—	—	—	13
Costa Rica	4	—	—	—	—	—	—	—	—	—
Chile	—	—	—	—	—	—	—	—	—	34
Cuba	44	59	52	59	63	58	64	47	17	30
Peru	—	—	—	—	—	—	—	—	—	4
United States	—	—	3	—	—	62	202	186	218	370
Venezuela	4	—	16	48	49	38	175	116	53	196
<b>TOTAL WESTERN HEMISPHERE:</b>	52	59	71	107	112	158	441	349	288	647
<b>GRAND TOTAL:</b>	2 310	2 687	2 545	1 826	1 385	1 957	2 753	2 003	2 838	3 224

\* Portugal and Spain joined the EC during 1986-87.

<sup>1</sup> Preliminary: subject to revision.

Source: Canadian Grain Commission "Canada Grain Exports" for 1990-91.

All previous years — Statistics Canada "Grain Trade of Canada".

TABLE XV

**CANADIAN WHEAT FLOUR EXPORTS BY AREAS AND COUNTRIES  
CROP YEARS 1981-82 TO 1990-91**

Country	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91 <sup>1</sup>
	(thousand tonnes)									
<b>WESTERN EUROPE:</b>										
EC-12:	1	1	1	1	1	1	1	2	2	2
Other Western Europe	4	3	3	4	7	7	4	1	2	2
<b>TOTAL WESTERN EUROPE:</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>8</b>	<b>8</b>	<b>5</b>	<b>3</b>	<b>4</b>	<b>4</b>
<b>EASTERN EUROPE:</b>	—	—	—	—	—	—	—	8	—	—
<b>TOTAL EUROPE:</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>8</b>	<b>8</b>	<b>5</b>	<b>11</b>	<b>4</b>	<b>4</b>
<b>AFRICA:</b>										
Algeria	5	5	—	—	—	—	—	11	5	4
Others	16	17	9	39	20	2	5	61	51	34
<b>TOTAL AFRICA</b>	<b>21</b>	<b>22</b>	<b>9</b>	<b>39</b>	<b>20</b>	<b>2</b>	<b>5</b>	<b>72</b>	<b>56</b>	<b>38</b>
<b>MIDDLE EAST:</b>										
Arab Rep. of Egypt	32	26	23	18	18	—	1	4	7	—
Jordan	20	15	2	—	—	—	3	13	—	2
Yemen, Arab Rep. <sup>2</sup>	—	—	—	3	—	15	9	5	20	18
Yemen, P.D.R. <sup>2</sup>	—	—	—	7	10	3	9	20	—	—
Others	37	30	27	99	102	53	66	6	11	21
<b>TOTAL MIDDLE EAST:</b>	<b>89</b>	<b>71</b>	<b>52</b>	<b>127</b>	<b>130</b>	<b>71</b>	<b>88</b>	<b>48</b>	<b>38</b>	<b>41</b>
<b>ASIA:</b>										
China, People's Rep. of	—	—	86	64	56	129	78	18	—	—
Korea, South	—	51	—	—	—	—	—	—	—	—
Singapore	—	—	—	—	12	—	—	—	—	—
Thailand	1	1	1	—	—	—	—	—	—	—
Others	2	1	1	2	2	2	4	3	2	30
<b>TOTAL ASIA:</b>	<b>3</b>	<b>53</b>	<b>88</b>	<b>66</b>	<b>70</b>	<b>131</b>	<b>82</b>	<b>21</b>	<b>2</b>	<b>30</b>
<b>WESTERN HEMISPHERE:</b>										
Bahamas	4	5	5	5	5	5	4	4	4	4
Barbados	3	3	3	3	2	2	2	2	2	2
Bermuda	3	3	2	1	1	2	2	1	1	1
Colombia	—	—	—	—	8	—	2	11	5	—
Cuba	320	223	281	181	108	175	110	75	14	27
Ecuador	—	—	—	—	—	—	—	—	6	2
El Salvador	—	—	—	—	—	—	—	—	6	—
Haiti Republic	1	2	2	1	—	2	—	—	—	—
Jamaica	6	2	3	1	1	6	1	6	2	2
Leeward and Windward Islands	2	2	2	1	1	1	1	—	—	—
Paraguay	—	—	—	—	2	—	2	1	2	—
Trinidad and Tobago	3	2	5	4	4	4	3	2	2	2
United States	8	12	7	10	7	14	27	23	13	19
Others	6	7	16	25	5	7	8	9	7	14
<b>TOTAL WESTERN HEMISPHERE:</b>	<b>356</b>	<b>261</b>	<b>326</b>	<b>232</b>	<b>144</b>	<b>218</b>	<b>162</b>	<b>134</b>	<b>64</b>	<b>73</b>
<b>GRAND TOTAL:</b>	<b>474</b>	<b>411</b>	<b>479</b>	<b>469</b>	<b>372</b>	<b>430</b>	<b>342</b>	<b>286</b>	<b>164</b>	<b>186</b>

<sup>1</sup> Preliminary: subject to revision.

<sup>2</sup> Political unification took place in Yemen during 1989-90.

Source: Statistics Canada.

TABLE XVI

**CANADIAN MALTING BARLEY EXPORTS BY AREAS AND COUNTRIES  
CROP YEARS 1981-82 TO 1990-91**

Country	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
(thousand tonnes)										
WESTERN EUROPE:										
Belgium and Luxembourg	—	—	62	—	—	—	—	—	—	—
Germany, Federal Republic	—	—	20	—	—	—	—	—	—	—
Netherlands	—	—	16	—	—	—	9	—	—	—
Portugal	—	—	5	—	—	—	—	—	—	—
United Kingdom	3	—	—	—	—	—	—	—	—	—
TOTAL:	3	—	103	—	—	—	9	—	—	—
EASTERN EUROPE:										
Germany Democratic Republic	—	—	19	—	—	—	—	—	—	—
U.S.S.R.	77	—	—	—	—	—	—	—	—	60
TOTAL EASTERN EUROPE:	77	—	19	—	—	—	—	—	—	60
ASIA:										
China, People's Rep. of	76	83	26	—	—	185	263	139	—	122
Hong Kong	—	—	—	—	—	—	—	—	—	42
Japan	—	17	—	—	—	—	—	—	—	—
Korea, South	—	—	5	—	—	—	—	—	—	—
TOTAL ASIA:	76	100	31	—	—	185	263	139	—	164
WESTERN HEMISPHERE:										
Chile	—	—	—	—	—	—	10	—	—	—
Colombia	87	101	115	—	—	90	80	40	20	56
Ecuador	—	—	—	—	—	15	31	8	—	16
Mexico	—	—	—	—	—	—	—	20	—	—
Peru	23	16	13	—	—	—	—	6	7	—
United States	201	110	64	77	53	39	106	113	154	342
TOTAL WESTERN HEMISPHERE:	311	227	192	77	53	144	227	187	181	414
GRAND TOTAL:	467	327	345	77	53	329	499	326	181	638

TABLE XVII

CANADIAN BARLEY EXPORTS BY AREAS AND COUNTRIES  
CROP YEARS 1981-82 TO 1990-91

Country	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
(thousand tonnes)										
WESTERN EUROPE:										
EC-12:										
Belgium and Luxembourg	121	481	708	—	—	—	15	—	—	—
France	—	—	22	—	—	—	—	—	—	—
Germany, Federal Republic	—	51	20	—	—	—	—	—	—	—
Italy	417	310	126	—	—	32	—	—	—	—
Netherlands	—	—	63	—	—	—	9	—	—	—
Portugal *	—	—	5	—	58	45	21	9	—	7
Spain *	235	410	102	—	—	32	—	—	—	—
United Kingdom	3	—	—	2	—	—	—	—	—	—
TOTAL EC-12:	776	1 252	1 046	2	58	109	45	9	—	7
OTHER WESTERN EUROPE:										
Finland	111	—	—	—	—	—	—	—	—	—
Iceland	1	—	—	—	—	—	—	—	—	—
TOTAL OTHER WESTERN EUROPE:										
TOTAL WESTERN EUROPE:	112	—	—	—	—	—	—	—	—	—
EASTERN EUROPE:										
Bulgaria	—	—	—	—	180	—	—	—	—	—
Germany, Democratic Republic	103	600	1 123	798	571	467	260	176	276	—
Poland	—	—	105	—	—	—	—	—	—	—
Romania	—	—	67	—	87	284	—	—	—	487
U.S.S.R.	2 780	1 526	472	410	439	2 149	208	—	914	1 194
TOTAL EASTERN EUROPE:	2 883	2 126	1 767	1 208	1 277	2 900	468	176	1 190	1 681
TOTAL EUROPE:	3 771	3 378	2 813	1 210	1 335	3 009	513	185	1 190	1 688
AFRICA:										
Algeria	36	—	—	—	—	—	1	—	—	—
Arab Republic of Egypt	—	—	—	—	—	—	32	—	—	—
Libya	—	—	—	—	—	—	—	—	—	50
Morocco	4	—	—	—	—	—	—	—	—	—
TOTAL AFRICA	40	—	—	—	—	—	33	—	—	50
MIDDLE EAST:										
Cyprus	45	61	58	—	—	69	42	—	—	—
Iran	80	92	209	—	—	—	123	63	218	153
Iraq	—	101	197	135	—	—	111	115	282	—
Israel	209	252	256	187	145	198	65	53	—	—
Jordan	—	8	—	—	—	26	—	—	—	45
Lebanon	15	—	—	—	—	—	3	—	—	—
Saudi Arabia	89	—	31	—	899	1 941	1 678	1 091	1 358	993
Syria	—	—	98	—	—	—	17	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	50	—
Turkey	—	—	188	—	—	—	—	—	23	—
TOTAL MIDDLE EAST:	438	514	1 037	322	1 044	2 234	2 039	1 322	1 931	1 191



TABLE XVII (continued)

**CANADIAN BARLEY EXPORTS BY AREAS AND COUNTRIES**  
**CROP YEARS 1981-82 TO 1990-91**

Country	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91 <sup>1</sup>
	(thousand tonnes)									
<b>ASIA:</b>										
China, People's Rep. of	77	83	26	—	213	285	278	123	26	122
Hong Kong	—	—	—	—	—	—	—	—	—	42
Japan	914	970	820	735	839	731	900	698	843	966
Korea, South	—	—	5	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	4	—	—	—
Philippines	—	—	—	—	—	13	100	—	—	—
Singapore	—	—	262	140	—	—	—	—	—	—
Taiwan	118	83	—	—	—	—	69	—	—	—
<b>TOTAL ASIA:</b>	<b>1 109</b>	<b>1 136</b>	<b>1 113</b>	<b>875</b>	<b>1 052</b>	<b>1 029</b>	<b>1 351</b>	<b>821</b>	<b>869</b>	<b>1 130</b>
<b>WESTERN HEMISPHERE:</b>										
Chile	—	—	—	—	—	—	10	—	—	—
Colombia	86	101	115	—	—	90	80	40	20	58
Cuba	53	42	40	36	43	33	38	—	—	—
Ecuador	—	—	—	—	—	21	31	8	—	16
Mexico	—	22	63	83	22	—	—	22	—	13
Panama	—	—	—	—	—	—	3	—	—	—
Peru	23	16	13	—	—	—	—	6	6	—
United States	202	121	74	78	96	118	278	213	214	389
<b>TOTAL WESTERN HEMISPHERE:</b>	<b>364</b>	<b>302</b>	<b>305</b>	<b>197</b>	<b>161</b>	<b>262</b>	<b>440</b>	<b>289</b>	<b>240</b>	<b>476</b>
<b>TOTAL BARLEY:</b>	<b>5 722</b>	<b>5 330</b>	<b>5 268</b>	<b>2 604</b>	<b>3 592</b>	<b>6 534</b>	<b>4 376</b>	<b>2 617</b>	<b>4 230</b>	<b>4535</b>
<b>MALT (Barley Equivalent):</b>	<b>280</b>	<b>318</b>	<b>269</b>	<b>177</b>	<b>203</b>	<b>185</b>	<b>220</b>	<b>261</b>	<b>273</b>	<b>258</b>
<b>GRAND TOTAL:</b>	<b>6 002</b>	<b>5 648</b>	<b>5 537</b>	<b>2 781</b>	<b>3 795</b>	<b>6 719</b>	<b>4 596</b>	<b>2 878</b>	<b>4 503</b>	<b>4793</b>

<sup>1</sup> Preliminary; subject to revision.

\* Portugal and Spain joined the EC during 1986-87.

Source: Canadian Grain Commission "Canada Grain Exports" for 1990-91.

All previous years — Statistics Canada "Grain Trade of Canada".

TABLE XVIII

**CLEARANCES OF CANADIAN BULK GRAIN <sup>1</sup> BY PORT AREAS  
CROP YEARS 1966-67 TO 1990-91**

Crop Year	Atlantic Coast	St. Lawrence <sup>2</sup>	Thunder Bay Direct	Churchill (thousand tonnes)	Pacific Coast	Prairie Elevator Direct	Total <sup>3</sup>
1966-67	896	6835	772	572	6 038	—	15 339
1967-68	423	3303	536	586	5 025	—	10 008
1968-69	577	2 249	304	615	4 954	—	8 903
1969-70	882	4 505	228	598	5 090	—	11 595
1970-71	818	7 686	907	637	6 660	—	16 921
1971-72	940	8 976	1 062	667	7 947	—	19 944
1972-73	942	8 688	872	638	9 036	—	20 498
1973-74	594	6 473	840	462	6 500	8	14 877
1974-75	788	6 231	1 161	498	5 387	—	14 065
1975-76	865	8 446	879	518	6 535	5	17 248
1976-77	792	8 163	1 269	735	7 348	44	18 351
1977-78	806	9 254	1 020	692	8 439	2	20 213
1978-79	575	7 947	881	495	8 303	35	18 236
1979-80	801	9 890	1 361	523	9 144	14	21 733
1980-81	730	9 657	919	289	9 548	42	21 185
1981-82	862	13 189	1 175	438	11 625	39	27 328
1982-83	657	15 154	886	557	11 536	5	28 795
1983-84	760	14 803	1 128	621	12 514	34	29 860
1984-85	450	10 092	916	437	10 617	62	22 574
1985-86	616	9 638	825	391	12 191	49	23 710
1986-87	552	11 813	1 174	558	16 068	60	30 225
1987-88	582	11 137	1 104	569	17 009	319	30 720
1988-89	402	4 125	1 143	50	11 863	359	17 942
1989-90	114	6 304	1 037	309	16 436	527	24 727
1990-91 <sup>4</sup>	112	10 764	709	376	16 515	861	29 337

<sup>1</sup> Includes wheat (excluding bagged seed) oats, barley, rye, flaxseed and canola.

<sup>2</sup> Includes shipments from ports along Great Lakes.

<sup>3</sup> Exports to the U.S. prior to 1972-73 are not included in the column for each port area but are included in the total.

<sup>4</sup> Preliminary: subject to revision.

Source: Canadian Grain Commission "Canadian Grain Exports".

TABLE XIX

# WESTERN CANADIAN FOOD AID SHIPMENTS 1990-91 (AUGUST-JULY)

Country	Wheat	CIDA		WORLD FOOD PROGRAM			TOTAL		Total
		Flour	Sub-Total	Wheat	Flour (tonnes)	Sub-Total	Wheat	Flour	
Algeria	18 000	—	18 000	—	10 913	10 913	18 000	10 913	28 913
Bangladesh	339 210	—	339 210	—	—	—	339 210	—	339 210
Bolivia	—	—	—	8 990	3 112	12 102	8 990	3 112	12 102
Chad	—	—	—	—	3 119	3 119	—	3 119	3 119
China	—	—	—	53 000	—	53 000	53 000	—	53 000
Colombia	—	—	—	—	6 534	6 534	—	6 534	6 534
Costa Rica	—	—	—	3 975	524	4 499	3 975	524	4 499
Ecuador	15 720	—	15 720	—	9 181	9 181	15 720	9 181	24 901
Egypt	26 400	—	26 400	—	18 816	18 816	26 400	18 816	45 216
El Salvador	—	—	—	4 941	—	4 941	4 941	—	4 941
Ethiopia	49 980	—	49 980	13 733	—	13 733	63 713	—	63 713
Ghana	33 768	—	33 768	—	2 153	2 153	33 768	2 153	35 921
Guatemala	—	—	—	—	1 518	1 518	—	1 518	1 518
Guinea	—	—	—	—	1 028	1 028	—	1 028	1 028
Guyana	—	—	—	—	511	511	—	511	511
Haiti	5 820	—	5 820	—	—	—	5 820	—	5 820
Jamaica	—	—	—	—	980	980	—	980	980
Jordan	—	—	—	—	2 056	2 056	—	2 056	2 056
India	—	—	—	30 884	—	30 884	30 884	—	30 884
Indonesia	—	—	—	26 600	—	26 600	26 600	—	26 600
Iran	—	—	—	24 775	—	24 775	24 775	—	24 775
Mali	7 770	—	7 770	—	—	—	7 770	—	7 770
Mauritania	5 000	—	5 000	—	—	—	5 000	—	5 000
Mauritius	—	—	—	—	1 097	1 097	—	1 097	1 097
Morocco	15 500	—	15 500	15 650	14 817	30 467	31 150	14 817	45 967
Mozambique	55 800	—	55 800	—	—	—	55 800	—	55 800
Nicaragua	—	—	—	—	2 488	2 488	—	2 488	2 488
Pakistan	—	—	—	11 524	—	11 524	11 524	—	11 524
Panama	—	—	—	—	242	242	—	242	242
Peru	—	—	—	4 830	1 979	6 809	4 830	1 979	6 809
Rwanda	1 000	—	1 000	—	—	—	1 000	—	1 000
Senegal	11 000	—	11 000	—	—	—	11 000	—	11 000
Sudan	12 965	—	12 965	8 045	17 940	25 985	21 010	17 940	38 950
Syria	—	—	—	5 998	10 611	16 609	5 998	10 611	16 609
Tunisia	14 650	—	14 650	13 774	—	13 774	28 424	—	28 424
Vietnam	—	—	—	—	25 936	25 936	—	25 936	25 936
Yemen	—	—	—	—	107 771	107 771	—	107 771	107 771
Zimbabwe	9 660	—	9 660	—	—	—	9 660	—	9 660
<b>Total</b>	<b>622 243</b>	<b>0</b>	<b>622 243</b>	<b>226 719</b>	<b>243 326</b>	<b>470 045</b>	<b>848 962</b>	<b>243 326</b>	<b>1 092 288</b>
<b>CFBA:</b> Angola 50; El Salvador 36; Ethiopia 7 515; Kenya 5 738; Peru 740; Sudan 47 791									61 870
<b>Government of Canada Aid:</b> Jordan 45 000									45 000
<b>GRAND TOTAL</b>									<b>1 199 158</b>

TABLE XX

## CANADIAN GRAIN EXPORTS UNDER CREDIT AGREEMENTS

74

	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91
	(thousand tonnes)								
<b>Wheat/Durum</b>									
Algeria	—	—	—	—	145	764	326	605	852
Bangladesh	—	—	—	—	—	104	—	—	—
Brazil	1 503	1 205	1 145	981	775	445	—	200	304
Columbia	—	—	—	21	22	—	163	—	—
Cuba	—	—	—	—	—	—	—	80	—
Egypt	—	614	450	464	208	—	—	—	—
Ethiopia	—	—	—	—	—	100	—	—	—
Germany East	308	73	170	48	—	—	—	—	—
Haiti	—	—	25	—	—	—	—	—	—
Iraq	74	608	367	347	691	880	724	783	—
Israel	—	18	99	25	95	18	—	—	—
Jamaica	23	22	24	39	38	39	39	59	54
Mexico	189	276	—	—	152	153	—	—	—
Peru	—	25	26	—	—	—	—	—	—
Poland	448	—	—	—	—	—	—	—	—
U.S.S.R.	5 095	—	—	—	—	—	—	3 447	7 223
Yemen	—	—	—	—	—	—	—	—	23
<b>TOTAL</b>	<b>7 640</b>	<b>2 841</b>	<b>2 306</b>	<b>1 925</b>	<b>2 126</b>	<b>2 503</b>	<b>1 252</b>	<b>5 174</b>	<b>8 456</b>
<b>Barley</b>									
Germany East	600	832	798	149	—	—	—	—	—
Iraq	—	197	135	—	—	111	115	224	—
Israel	252	231	187	145	198	—	—	—	—
Mexico	22	63	41	—	—	—	—	—	—
U.S.S.R.	1 427	—	—	—	—	—	—	914	1 194
<b>TOTAL</b>	<b>2 301</b>	<b>1 323</b>	<b>1 161</b>	<b>294</b>	<b>198</b>	<b>111</b>	<b>115</b>	<b>1 138</b>	<b>1 194</b>
<b>GRAND TOTAL</b>	<b>9 941</b>	<b>4 164</b>	<b>3 467</b>	<b>2 219</b>	<b>2 324</b>	<b>2 614</b>	<b>1 367</b>	<b>6 312</b>	<b>9 650</b>
<b>Oats</b>									
U.S.S.R.	13	—	—	—	—	—	—	—	—
<b>TOTAL</b>	<b>9 954</b>								



TABLE XXI

**TOTAL EASTERN TRANSPORTATION AND HANDLING COSTS FOR WHEAT**  
**(Rates Basis Opening of Navigation)**

	1991	1990	1989	1988	1987
	(dollars per tonne)				
Elevation <sup>1</sup>	\$5.420	\$4.750	\$4.480	\$4.310	\$4.310
Weighing, Inspection <sup>2</sup> and Warehouse Receipts Cancellation <sup>3</sup>	.835	.820	.800	.800	.800
LSCA Charges <sup>4</sup>	.055	.055	.055	.050	.070
<b>Thunder Bay Fobbing Costs</b>	<b>\$6.310</b>	<b>\$5.625</b>	<b>\$5.335</b>	<b>\$5.160</b>	<b>\$5.180</b>
<b>Lake Freight (Including Bunker Fuel)</b>					
Thunder Bay to St. Lawrence	13.650	13.000	11.350	13.170	12.140
<b>Other Great Lakes Charges (St. Lawrence)</b>	<b>1.324</b>	<b>2.087</b>	<b>1.753</b>	<b>1.564</b>	<b>1.775</b>
<b>Eastern Transfer Elevators Inward Elevation</b>					
St. Lawrence	2.670	2.540	2.470	2.470	2.470
<b>Total Thunder Bay to St. Lawrence<sup>5</sup></b> <b>(all water)</b>	<b>23.954</b>	<b>23.252</b>	<b>20.908</b>	<b>22.364</b>	<b>21.565</b>

<sup>1</sup> Receiving, weighing and delivery of grain.

<sup>2</sup> Sampling and grading of grain by an inspector and issuing of inspection certificate.

<sup>3</sup> Cancellation by Canadian Grain Commission of registration of Terminal Warehouse Receipts.

<sup>4</sup> Fees of Lake Shippers Clearance Association.

<sup>5</sup> Includes Lake freight rate as at opening of navigation.

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TABLE XXII

**WEIGHTED AVERAGE DEDUCTIONS FROM FARMERS**  
**FOR FREIGHT, COUNTRY ELEVATION, AND REMOVAL OF DOCKAGE**

		1990-91	1989-90	1988-89	1987-88	1986-87	1985-86
		(dollars per tonne)					
<b>Wheat</b>	Freight	\$9.45	\$8.36	\$6.80	\$5.94	\$5.62	\$5.53
	Country Elevation and Removal of Dockage	10.65	9.70	9.10	8.05	8.02	7.93
	<b>Total</b>	<b>\$20.10</b>	<b>\$18.06</b>	<b>\$15.90</b>	<b>\$13.99</b>	<b>\$13.64</b>	<b>\$13.46</b>
<b>Durum Wheat</b>	Freight	9.84	8.80	7.05	6.21	5.79	5.71
	Country Elevation and Removal of Dockage	10.41	9.45	8.93	7.97	8.00	7.88
	<b>Total</b>	<b>\$20.25</b>	<b>\$18.25</b>	<b>\$15.98</b>	<b>\$14.18</b>	<b>\$13.79</b>	<b>\$13.59</b>
<b>Barley</b>	Freight	9.58	8.57	6.93	6.03	5.65	5.53
	Country Elevation and Removal of Dockage	12.61	11.43	10.86	9.72	9.74	9.68
	<b>Total</b>	<b>\$22.19</b>	<b>\$20.00</b>	<b>\$17.79</b>	<b>\$15.75</b>	<b>\$15.39</b>	<b>\$15.21</b>

TABLE XXIII

**CANADIAN WHEAT BOARD PAYMENTS FOR NO. 1 CANADA WESTERN RED SPRING WHEAT <sup>1</sup>  
IN STORE THUNDER BAY OR VANCOUVER FOR POOL ACCOUNT YEARS 1967-68 TO 1991-92**

Pool Account	Initial Payment	Adjustment Payment	Interim Payment (\$ per tonne)	Final Payment <sup>2</sup>	Final Realized Price <sup>2</sup>
1967-68	62.46	—	—	4.19	66.65
1968-69	62.46	—	—	—	62.46
1969-70	55.12	—	2.68 <sup>3</sup>	3.93 <sup>4</sup>	61.73
1970-71	55.12	—	—	6.28	61.40
1971-72	53.65	—	—	4.99	58.64
1972-73	53.65	11.02	—	14.47	79.14
1973-74	82.67	55.12	—	30.42	168.21
1974-75	82.67	55.12	—	26.60	164.39
1975-76	82.67	55.12	—	8.49	146.28
1976-77	110.23	—	—	6.92	117.15
1977-78	110.23	—	—	10.07	120.30
1978-79	110.23	18.37	—	31.93	160.53
1979-80	128.60	27.56	—	40.27	196.43
1980-81 <sup>5</sup>	156.16	40.34	—	25.62	222.12
1981-82	174.50	—	—	25.12	199.62
1982-83	174.50	—	—	17.84	192.34
1983-84	170.00	—	—	23.98	193.98
1984-85	170.00	—	—	16.37	186.37
1985-86	160.00	—	—	—	160.00
1986-87	130.00	—	—	—	130.00
1987-88	110.00	10.00	—	14.02	134.02
1988-89	150.00	20.00	15.00	12.14	197.14
1989-90	155.00	10.00	—	7.11	172.11
1990-91	135.00	—	—	—	135.00
1991-92	95.00	6.00	—	—	—

<sup>1</sup> Base grade prior to 1971-72 was No. 1 Northern Wheat.

<sup>2</sup> Final payment and final realized price after deduction of Board operating costs, but prior to deduction of P.F.A.A. Levy for years 1967-68 through 1969-70.

<sup>3</sup> Payment from Pool Account prior to payment from Temporary Wheat Reserves Act, in 1969-70 only.

<sup>4</sup> Payment from Temporary Wheat Reserves Act.

<sup>5</sup> Crop years 1980-81 forward do not quote No. 1 CWRS 13% protein payment.

TABLE XXIV

CANADIAN WHEAT BOARD PAYMENTS FOR NO. 1 CANADA WESTERN AMBER DURUM  
IN STORE THUNDER BAY OR VANCOUVER FOR POOL ACCOUNT YEARS 1978-79 TO 1991-92

Pool Account	Initial Payment	Adjustment Payment	Interim Payment (\$ per tonne)	Final Payment <sup>1</sup>	Final Realized Price <sup>1</sup>
1978-79	110.23	18.37	—	20.33	148.93
1979-80	128.60	36.75	—	39.50	204.85
1980-81	183.72	55.28	—	.58	239.58
1981-82	174.50	—	—	25.84	200.34
1982-83	174.50	—	—	12.95	187.45
1983-84	165.00	15.00	—	24.04	204.04
1984-85	180.00	—	—	24.85	204.85
1985-86	160.00	—	—	21.30	181.30
1986-87	130.00	—	—	20.20	150.20
1987-88	110.00	15.00	—	44.36	169.36
1988-89	175.00	15.00	—	14.48	204.48
1989-90	150.00	—	—	13.85	163.85
1990-91	125.00	—	—	—	125.00
1991-92	90.00	—	—	—	—

<sup>1</sup> Final payment and final realized price after deduction of Board operating costs.

TABLE XXV

CANADIAN WHEAT BOARD PAYMENTS FOR NO. 1 CANADA WESTERN BARLEY <sup>2</sup>  
IN STORE THUNDER BAY FOR POOL ACCOUNT YEARS 1978-79 TO 1991-92

Pool Account	Initial Payment	Adjustment Payment	Interim Payment (\$ per tonne)	Final Payment	Final Realized Price <sup>1</sup>
1978-79	76.00	3.67	—	11.41	91.08
1979-80	80.38	9.19	—	17.90	107.47
1980-81	124.01	6.99	—	15.55	146.55
1981-82	124.00	—	—	7.07	131.07
1982-83	110.00	—	—	—	110.00
1983-84	95.00	15.00	—	28.02	138.02
1984-85	110.00	15.00	—	6.30	131.30
1985-86	110.00	—	—	—	110.00
1986-87	80.00	—	—	—	80.00
1987-88	60.00	5.00	—	9.08	74.08
1988-89	120.00	—	—	4.23	124.23
1989-90	85.00	15.00	12.00	12.38	124.38
1990-91	90.00	—	—	—	90.00
1991-92	70.00	6.00	—	—	—

<sup>1</sup> Final payment and final realized price after deduction of Board operating costs.

<sup>2</sup> Base grade prior to 1986-87 was No. 1 Feed Barley.

TABLE XXVI

**CANADIAN WHEAT BOARD PAYMENTS FOR  
SPECIAL SELECT CANADA WESTERN 2-ROW <sup>2</sup> BARLEY  
IN STORE THUNDER BAY FOR POOL ACCOUNT YEARS 1977-78 TO 1991-92**

Pool Account	Initial Payment	Adjustment Payment	Interim Payment (\$ per tonne)	Final Payment <sup>1</sup>	Final Realized Price <sup>1</sup>
1977-78	99.67	—	—	11.59	111.26
1978-79	100.00	—	—	20.71	120.71
1979-80	100.00	34.45	—	34.19	168.64
1980-81	134.47	34.80	—	38.99	208.26
1981-82	159.27	—	—	27.52	186.79
1982-83	159.27	—	—	10.67	169.94
1983-84	141.27	—	—	37.63	178.90
1984-85	141.27	15.00	—	34.13	190.40
1985-86	166.27	—	—	38.13	204.40
1986-87	165.00	—	—	—	165.00
1987-88	115.00	20.00	—	16.67	151.67
1988-89	190.00	—	15.00	17.75	222.75
1989-90	115.00	55.00	25.00	16.41	211.41
1990-91	125.00	12.50	8.00	9.29	154.79
1991-92	90.00	32.00			

<sup>1</sup> Final payment and final realized price after deduction of Board operating costs.

<sup>2</sup> Base grade prior to 1986-87 was No. 1 Canada Western 2-Row.



TABLE XXVII

# WHEAT PRODUCTION IN THE MAJOR PRODUCING COUNTRIES PRODUCTION YEARS 1981 TO 1990<sup>1</sup>

Year	U.S.S.R. (former)	China	EC-12 <sup>2</sup> (thousand tonnes)	United States	India	Canada
1981	81 100	59 640	58 006	75 805	36 313	24 802
1982	84 300	68 420	64 789	75 250	37 452	26 715
1983	77 500	81 390	64 011	65 857	42 794	26 464
1984	68 600	87 820	82 612	70 618	45 476	21 188
1985	78 100	85 810	71 248	65 974	44 069	24 252
1986	92 310	90 295	72 013	56 896	47 052	31 378
1987	83 312	85 840	71 578	57 362	45 577	25 992
1988	84 445	85 432	74 772	49 320	46 169	15 996
1989	92 307	90 807	79 185	55 428	54 110	24 575
1990 <sup>3</sup>	108 000	98 229	84 600	74 473	49 700	32 709
10-Year Average	84 997	83 368	72 281	64 698	44 871	25 407

Year	Turkey	Australia	Pakistan	Argentina (thousand tonnes)	Others	Total
1981	17 000	16 360	11 474	8 300	66 039	454 839
1982	17 500	8 876	11 304	15 000	73 007	482 613
1983	16 438	22 016	12 414	13 000	72 551	494 435
1984	17 235	18 666	10 882	13 000	80 899	516 996
1985	17 032	16 167	11 703	8 700	82 877	505 932
1986	19 032	16 778	13 922	8 952	89 031	537 659
1987	18 932	12 369	12 020	8 800	89 293	511 075
1988	20 500	14 054	12 675	8 400	94 094	505 857
1989	16 200	14 214	14 419	10 302	91 553	543 100
1990 <sup>3</sup>	20 000	15 068	14 312	11 350	89 859	598 300
10-Year Average	17 987	15 457	12 513	10 580	82 920	515 081

<sup>1</sup> Includes durum.<sup>2</sup> 1990 includes unified Germany.<sup>3</sup> Preliminary: subject to revision.

Sources: Canada – Statistics Canada.

United States – USDA Crop Production Summary, NASS.

All other countries/total – International Wheat Council.

TABLE XXVIII

**EXPORTS OF WHEAT AND WHEAT FLOUR BY PRINCIPAL EXPORTERS  
DISTRIBUTION BY QUANTITY AND PERCENTAGE OF WORLD TRADE TOTAL  
JULY-JUNE CROP YEARS 1981-82 TO 1990-91<sup>1</sup>**

Crop Year	Argentina	Australia	Canada <sup>2</sup>	EC-12 <sup>3</sup> (thousand tonnes)	United States	Others	Total
1981-82	4 281 (4.2%)	11 405 (11.3%)	18 447 (18.3%)	13 990 (13.9%)	48 776 (48.4%)	3 846 (3.8%)	100 745 (100.0%)
1982-83	7 471 (7.8%)	8 530 (8.9%)	21 368 (22.2%)	14 084 (14.6%)	39 939 (41.5%)	4 753 (4.9%)	96 145 (100.0%)
1983-84	9 637 (9.6%)	11 554 (11.5%)	21 765 (21.7%)	15 040 (15.0%)	38 860 (38.7%)	3 564 (3.5%)	100 420 (100.0%)
1984-85	7 966 (7.8%)	15 090 (14.7%)	17 543 (17.1%)	17 297 (16.9%)	38 092 (37.1%)	6 621 (6.5%)	102 609 (100.0%)
1985-86	6 197 (7.5%)	16 014 (19.5%)	17 683 (21.5%)	14 414 (17.6%)	25 000 (30.5%)	2 781 (3.4%)	82 089 (100.0%)
1986-87	4 359 (4.9%)	14 997 (16.9%)	20 783 (23.4%)	15 254 (17.2%)	28 418 (32.0%)	5 067 (5.7%)	88 878 (100.0%)
1987-88	3 824 (3.6%)	12 232 (11.6%)	23 531 (22.3%)	14 678 (13.9%)	43 429 (41.1%)	7 982 (7.6%)	105 676 (100.0%)
1988-89	3 416 (3.5%)	10 848 (11.2%)	12 448 (12.9%)	19 382 (20.1%)	37 583 (39.0%)	12 805 (13.3%)	96 482 (100.0%)
1989-90	5 778 (6.2%)	10 866 (11.6%)	17 424 (18.6%)	18 914 (20.2%)	33 516 (35.8%)	7 090 (7.6%)	93 588 (100.0%)
1990-91 <sup>4</sup>	5 100 (5.6%)	11 900 (13.1%)	22 106 (24.4%)	18 500 (20.4%)	28 328 (31.3%)	4 666 (5.2%)	90 600 (100.0%)
10-Year Average	5 803	12 344	19 310	16 155	36 194	5 918	95 723

<sup>1</sup> Includes durum; excludes processed re-exports of wheat flour of about 500 000 tonnes annually mainly from Japan and EC.

<sup>2</sup> Canada – August/July, includes Eastern wheat exported through Port Stanley (1987-88 to 1990-91) and seed wheat.

<sup>3</sup> Excludes EC intra-trade and semolina; EC-10 up to 1984-85 and EC-12 thereafter; 1990-91 includes unified Germany.

<sup>4</sup> Preliminary; subject to revision.

Because of rounding, percentages may not add.

Sources: Canada – Statistics Canada.

United States – USDA.

All other countries/total – International Wheat Council.

TABLE XXIX

IMPORTS OF WHEAT AND WHEAT FLOUR INTO SELECTED COUNTRIES FROM ALL SOURCES  
JULY-JUNE CROP YEARS 1981-82 TO 1990-91<sup>1</sup>

Crop Year	U.S.S.R. (former)	China	Egypt (thousand tonnes)	Japan	Iran	Brazil
1981-82	19 645	13 223	6 012	5 637	1 377	4 589
1982-83	20 140	12 963	6 188	5 597	1 984	3 879
1983-84	20 560	9 786	7 331	5 901	3 639	4 320
1984-85	28 156	7 429	6 587	5 748	2 643	4 933
1985-86	16 465	6 821	6 432	5 579	2 076	2 495
1986-87	15 861	8 761	7 305	5 576	2 428	2 823
1987-88	22 046	15 280	7 080	5 667	4 451	2 032
1988-89	14 789	15 781	7 187	5 376	3 300	772
1989-90	14 795	12 840	7 227	5 343	5 233	1 513
1990-91 <sup>2</sup>	14 500	9 600	6 000	5 500	4 100	2 800
10-Year Average	18 696	11 248	6 735	5 592	3 123	3 016

Crop Year	Republic of Korea	Algeria	Iraq (thousand tonnes)	Poland	Indonesia	Bangladesh
1981-82	1 907	2 294	1 577	3 818	1 529	1 165
1982-83	1 804	2 064	1 960	2 899	1 534	1 564
1983-84	2 510	2 365	2 960	2 025	1 583	1 632
1984-85	3 043	2 164	2 836	2 057	1 319	1 856
1985-86	3 028	2 498	1 974	1 679	1 613	1 050
1986-87	4 212	2 328	2 874	2 181	1 609	1 699
1987-88	4 691	3 458	2 907	2 170	1 782	2 038
1988-89	2 559	3 107	3 430	1 882	1 721	2 405
1989-90	1 781	2 925	3 400	1 161	1 860	1 175
1990-91 <sup>2</sup>	4 100	3 500	200	300	2 000	1 400
10-Year Average	2 964	2 670	2 412	2 017	1 655	1 598

<sup>1</sup> Includes durum; excludes processed re-exports of wheat flour.

<sup>2</sup> Preliminary; subject to revision.

Source: IWC "World Wheat Statistics" 1987, "Record of Shipments" 1986-87 to 1989-90, and "PMR 198" 1990-91.

TABLE XXX

**WHEAT CARRYOVER STOCKS IN THE MAJOR EXPORTING COUNTRIES  
LOCAL MARKETING YEARS 1981-82 TO 1990-91<sup>1</sup>**

Crop Year	Argentina	Australia	Canada	EC-12 <sup>2</sup> (million tonnes)	United States	Others	Total
1981-82	.5	4.9	9.7	7.3	31.5	62.1	116.0
1982-83	.7	2.3	10.0	10.8	41.2	66.0	131.0
1983-84	1.1	7.6	9.2	8.6	38.1	76.4	141.0
1984-85	.5	8.5	7.6	19.0	38.8	84.1	158.5
1985-86	.3	5.8	8.6	18.0	51.8	82.4	166.9
1986-87	.2	3.8	12.7	16.0	49.6	93.6	175.9
1987-88	.8	2.8	7.3	15.5	34.3	89.3	150.0
1988-89	.5	2.6	5.0	12.6	19.1	76.2	116.0
1989-90	.1	2.9	6.4	14.4	14.6	79.6	118.0
1990-91 <sup>3</sup>	.4	2.6	10.4	16.7	23.6	84.3	138.0

<sup>1</sup> Includes durum; world total represents countries listed by IWC.

<sup>2</sup> EC-10 up to 1984-85, EC-12 thereafter; 1990-91 includes unified Germany.

<sup>3</sup> Preliminary: subject to revision.

Sources: Canada – Statistics Canada.

United States – USDA.

All other countries/total – International Wheat Council.



TABLE XXXI

# DURUM WHEAT PRODUCTION IN THE MAJOR PRODUCING COUNTRIES PRODUCTION YEARS 1981 TO 1990

Year	EC-12 <sup>1</sup>	Turkey	Canada (thousand tonnes)	United States	U.S.S.R. <sup>2</sup> (former)	Morocco
1981	4 474	5 335	2 977	4 982	2 500	611
1982	4 345	6 125	3 121	3 970	2 000	1 406
1983	4 070	5 500	2 620	1 986	2 000	1 238
1984	6 623	6 000	2 110	2 815	1 500	1 171
1985	5 873	6 000	1 960	3 062	2 000	1 342
1986	7 238	6 000	3 897	2 665	2 500	1 981
1987	7 525	5 500	4 014	2 521	2 000	1 126
1988	6 981	4 000	1 979	1 220	2 000	1 766
1989	6 500	5 500	4 098	2 510	2 000	1 767
1990 <sup>3</sup>	7 400	5 500	4 262	3 332	2 000	1 617
10-Year Average	6 103	5 546	3 104	2 906	2 050	1 403

Year	Syria	Algeria	Tunisia (thousand tonnes)	Iraq	Others	Total
1981	1 390	780	804	450	2 641	26 944
1982	1 030	483	800	480	2 718	26 478
1983	1 070	654	510	420	2 704	22 772
1984	700	792	584	230	2 670	25 195
1985	1 130	1 071	1 069	700	2 717	26 924
1986	1 300	785	378	500	2 764	30 008
1987	1 250	777	1 065	350	2 790	28 918
1988	1 350	415	167	470	2 052	22 400
1989	600	850	333	250	2 498	26 906
1990 <sup>3</sup>	1 100	575	897	250	2 067	29 000
10-Year Average	1 092	718	661	410	2 562	26 555

<sup>1</sup> 1990 includes unified Germany.

<sup>2</sup> Estimated by the IWC.

<sup>3</sup> Preliminary: subject to revision.

Sources: Canada – Statistics Canada.

United States – USDA Crop Production Summary, NASS.

All other countries/total – International Wheat Council.

TABLE XXXII

**EXPORTS OF DURUM WHEAT AND DURUM FLOUR BY PRINCIPAL EXPORTERS  
DISTRIBUTION BY QUANTITY AND PERCENTAGE OF TOTAL  
JULY-JUNE CROP YEARS 1981-82 TO 1990-91<sup>1</sup>**

Crop Year	Canada	EC-12 <sup>2</sup> (thousand tonnes)	United States	Total
1981-82	2 365 (52.7%)	145 (3.2%)	1 977 (44.1%)	4 487 (100.0%)
1982-83	2 723 (61.5%)	254 (5.7%)	1 450 (32.8%)	4 427 (100.0%)
1983-84	2 577 (61.8%)	85 (2.0%)	1 505 (36.1%)	4 167 (100.0%)
1984-85	1 847 (51.2%)	101 (2.8%)	1 659 (46.0%)	3 607 (100.0%)
1985-86	1 404 (41.5%)	498 (14.7%)	1 481 (43.8%)	3 383 (100.0%)
1986-87	1 990 (47.7%)	93 (2.2%)	2 088 (50.1%)	4 171 (100.0%)
1987-88	2 789 (56.3%)	768 (15.5%)	1 396 (28.2%)	4 953 (100.0%)
1988-89	2 034 (49.7%)	1 588 (38.8%)	474 (11.6%)	4 096 (100.0%)
1989-90	2 847 (54.8%)	847 (16.3%)	1 502 (28.9%)	5 196 (100.0%)
1990-91 <sup>3</sup>	3 232 (62.8%)	700 (13.6%)	1 216 (23.6%)	5 148 (100.0%)
10-Year Average	2 381	508	1 475	4 364

<sup>1</sup> Canada: August-July.

<sup>2</sup> Excludes EC intra-trade and semolina; EC-10 up to 1984-85 and EC-12 thereafter; 1990-91 includes unified Germany.

<sup>3</sup> Preliminary: subject to revision.

Because of rounding, percentages may not add.

Sources: Canada – Statistics Canada.

EC – International Wheat Council.

United States – USDA Inspections for Export.

TABLE XXXIII

**IMPORTS OF DURUM WHEAT AND DURUM FLOUR  
INTO SELECTED COUNTRIES FROM ALL SOURCES  
JULY-JUNE CROP YEARS 1981-82 TO 1990-91<sup>1</sup>**

Crop Year	Algeria	U.S.S.R. (former)	Italy (thousand tonnes)	Tunisia	Venezuela	Libya
1981-82	1 325	966	953	102	165	30
1982-83	1 325	1 273	654	160	182	61
1983-84	1 286	436	602	349	207	133
1984-85	1 000	684	183	252	230	123
1985-86	1 324	619	230	114	176	119
1986-87	1 200	505	652	444	225	212
1987-88	1 810	1 276	288	268	272	126
1988-89	1 535	909	224	444	225	133
1989-90	1 358 <sup>2</sup>	1 102	337	320	136	190
1990-91 <sup>3</sup>	1 300 <sup>2</sup>	1 100	n/a	180	250	250
10-Year Average	1 346	887	458	263	207	138

Crop Year	Poland	Japan	Netherlands (thousand tonnes)	Cuba	Chile	United States
1981-82	112	58	145	52	52	—
1982-83	97	76	123	78	50	—
1983-84	109	70	185	84	76	—
1984-85	120	78	138	72	34	T
1985-86	88	84	134	69	52	—
1986-87	115	119	89	62	78	59
1987-88	120	116	38	64	39	176
1988-89	129	140	36	55	57	202
1989-90	75	138	—	49	—	178
1990-91 <sup>3</sup>	110	140	n/a	30	50	308
10-Year Average	108	102	99	62	49	185 <sup>4</sup>

n/a Not available.

T Less than 500 tonnes.

<sup>1</sup> Excludes semolina, EC intra-trade.

<sup>2</sup> Excluding U.S. transshipments through Canada of around 0.3 MMT not reported by U.S. Dept. of Commerce.

<sup>3</sup> Preliminary: subject to revision.

<sup>4</sup> Five-year average.

Source: IWC "World Wheat Statistics" 1987, "Record of Shipments" 1986-87 to 1989-90, and "PMR198" 1990-91.

TABLE XXXIV

**DURUM WHEAT CARRYOVER STOCKS IN THE MAJOR EXPORTING COUNTRIES  
LOCAL MARKETING YEARS 1981-82 TO 1990-91**

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Crop Year	Canada	EC-12 <sup>1</sup> (thousand tonnes)	United States	Total
1981-82	1 233	543	2 885	4 661
1982-83	1 174	473	3 701	5 348
1983-84	764	202	2 694	3 660
1984-85	524	1 500	2 722	4 746
1985-86	554	1 300	3 293	5 147
1986-87	1 610	2 300	2 585	6 495
1987-88	1 541	3 100	2 259	6 900
1988-89	826	1 800	1 633	4 259
1989-90	1 352	1 600	1 361	4 313
1990-91 <sup>2</sup>	1 597	1 900	1 687	5 184

<sup>1</sup> EC-10 up to 1984-85 and EC-12 thereafter; 1990-91 includes unified Germany.

<sup>2</sup> Preliminary: subject to revision.

Sources: Canada – Statistics Canada.

EC – International Wheat Council.

United States – USDA Wheat Situation and Outlook Report.



87

100

10

T less than 500 tonnes.

<sup>2</sup> IPR – Inward Processing Relief (Non-EC imported wheat free of levy and exported without using export subsidies. This is considered secondary trade.)

<sup>4</sup> From 1981-82 includes Japanese exports of flour which should be considered as secondary trade.

United States – USDA Wheat Situation &amp; Outlook.

All other countries/total – International Wheat Council.

TABLE XXXVI

# COARSE GRAINS PRODUCTION IN THE MAJOR PRODUCING COUNTRIES PRODUCTION YEARS 1981 TO 1990<sup>1</sup>

Year	United States	U.S.S.R. (former)	China (million tonnes)	EC-12 <sup>2</sup>	India	Canada
1981	246.6	69.4	79.5	82.0	31.4	26.0
1982	250.7	91.8	81.8	87.9	27.9	26.5
1983	137.1	101.9	91.6	80.4	33.9	20.9
1984	237.6	90.5	96.2	97.8	31.4	21.5
1985	274.8	100.0	82.3	96.6	25.8	23.9
1986	252.1	105.9	87.0	89.2	26.6	25.4
1987	217.0	113.7	95.8	89.6	23.8	25.5
1988	149.7	97.5	94.2	94.3	31.3	19.7
1989	221.4	104.8	93.5	89.8	34.6	23.5
1990 <sup>3</sup>	230.7	113.3	113.5	84.1	33.3	25.4
10-Year Average	221.8	98.9	91.5	89.2	30.0	23.8

Year	Brazil	Poland	Mexico (million tonnes)	Argentina	Others	Total
1981	23.4	15.5	16.9	18.4	158.2	767.3
1982	19.9	16.7	10.2	17.8	153.7	784.9
1983	21.5	16.9	13.8	17.4	153.1	688.5
1984	22.5	18.4	14.5	19.3	166.9	816.6
1985	21.7	17.3	14.7	17.4	169.5	844.0
1986	27.3	17.5	14.9	13.0	174.3	833.2
1987	25.5	17.1	14.5	13.1	160.6	796.2
1988	26.7	16.9	13.8	7.3	180.1	731.5
1989	22.5	18.5	14.1	8.3	171.7	802.7
1990 <sup>3</sup>	24.2	19.0	18.4	11.0	160.1	833.0
10-Year Average	23.5	17.4	14.6	14.3	164.8	789.8

<sup>1</sup> Coarse Grains include barley, corn, rye, oats, sorghum, millet and mixed grains.

<sup>2</sup> Includes unified Germany.

<sup>3</sup> Preliminary; subject to revision.

Sources: Canada – Statistics Canada.

All other countries/total – USDA "PS&D View," "World Grain Situation & Outlook," January 1992.

TABLE XXXVII

**EXPORTS OF COARSE GRAINS BY PRINCIPAL EXPORTERS  
DISTRIBUTION BY QUANTITY AND PERCENTAGE OF WORLD TRADE TOTAL  
OCTOBER-SEPTEMBER CROP YEARS 1981-82 TO 1990-91<sup>1</sup>**

Crop Year	Argentina	Australia	Canada <sup>2</sup>	EC-12 <sup>3</sup> (million tonnes)	United States	China	Others	Total
1981-82	10.3 (10.5%)	3.4 (3.5%)	7.6 (7.8%)	4.3 (4.4%)	58.4 (59.7%)	.2 (0.2%)	13.6 (13.9%)	97.8 (100.0%)
1982-83	11.6 (12.9%)	1.0 (1.1%)	6.2 (6.9%)	4.5 (5.0%)	53.9 (59.9%)	.1 (.1%)	12.7 (14.1%)	90.0 (100.0%)
1983-84	10.9 (11.7%)	5.4 (5.8%)	6.6 (7.1%)	4.5 (4.8%)	55.7 (59.6%)	.3 (.3%)	10.0 (10.7%)	93.4 (100.0%)
1984-85	10.6 (10.6%)	6.4 (6.4%)	3.6 (3.6%)	8.8 (8.8%)	55.4 (55.2%)	5.7 (5.7%)	9.9 (9.9%)	100.4 (100%)
1985-86	9.7 (11.7%)	5.0 (6.0%)	4.6 (5.5%)	8.3 (10.0%)	36.4 (43.8%)	7.1 (8.5%)	12.1 (14.5%)	83.2 (100.0%)
1986-87	5.0 (6.0%)	3.1 (3.7%)	7.1 (8.5%)	6.5 (7.8%)	47.5 (56.8%)	4.1 (4.9%)	10.4 (12.4%)	83.7 (100.0%)
1987-88	5.3 (6.4%)	2.5 (3.0%)	5.3 (6.4%)	8.5 (10.3%)	53.5 (64.5%)	4.2 (5.1%)	3.6 (4.3%)	82.9 (100.0%)
1988-89	3.5 (3.7%)	1.9 (2.0%)	3.5 (3.7%)	10.8 (11.5%)	61.3 (65.1%)	4.9 (5.2%)	8.3 (8.8%)	94.2 (100.0%)
1989-90	4.5 (4.5%)	2.8 (2.8%)	5.3 (5.3%)	8.1 (8.1%)	69.1 (69.1%)	3.5 (3.5%)	6.7 (6.7%)	100.0 (100.0%)
1990-91 <sup>4</sup>	5.3 (6.2%)	3.2 (3.7%)	5.4 (6.3%)	7.9 (9.3%)	51.8 (60.7%)	6.9 (8.1%)	4.9 (5.7%)	85.4 (100.0%)
10-Year Average	7.7	3.5	5.5	7.2	54.3	3.7	9.2	91.1

<sup>1</sup> Coarse Grains include barley, corn, rye, oats, sorghum and millet; excludes products.

<sup>2</sup> Canada: August-July; includes exports through unlicensed channels.

<sup>3</sup> Includes unified Germany; excludes EC intra-trade.

<sup>4</sup> Preliminary; subject to revision.

Because of rounding, percentages may not add.

Sources: Canada – Statistics Canada.

All other countries/total – USDA "PS&D View," "World Grain Situation & Outlook," January 1992.

TABLE XXXVIII

IMPORTS OF COARSE GRAINS INTO SELECTED COUNTRIES FROM ALL SOURCES  
OCTOBER-SEPTEMBER CROP YEARS 1981-82 TO 1990-91<sup>1</sup>

Crop Year	Japan	(U.S.S.R.) (former)	Saudi Arabia	Mexico (million tonnes)	Republic of Korea	Taiwan
1981-82	17.9	20.1	4.6	1.6	3.1	3.9
1982-83	18.7	11.0	3.2	7.2	4.1	4.2
1983-84	20.7	11.9	6.1	5.9	4.2	4.0
1984-85	20.7	27.3	5.5	4.2	3.4	4.3
1985-86	21.5	13.6	7.4	2.4	4.0	4.1
1986-87	22.1	10.8	9.7	4.2	4.7	4.7
1987-88	22.4	10.4	5.5	4.0	5.1	4.8
1988-89	21.6	22.5	5.4	5.5	6.4	4.7
1989-90	21.6	23.0	4.1	8.2	6.4	5.5
1990-91 <sup>2</sup>	21.5	14.7	5.3	5.0	5.6	5.7
10-Year Average	20.9	16.5	5.7	4.8	4.7	4.6

Crop Year	Egypt	Iran	Malaysia	Algeria (million tonnes)	Israel	China
1981-82	1.4	1.1	.8	1.0	1.2	1.4
1982-83	1.5	1.7	.9	.7	1.2	2.5
1983-84	1.5	1.3	1.1	1.1	1.1	.2
1984-85	1.7	1.3	1.2	1.1	1.0	.1
1985-86	1.9	1.5	1.2	.7	1.1	.7
1986-87	2.4	.9	1.3	1.2	1.1	2.1
1987-88	1.4	.9	1.4	1.8	1.3	.6
1988-89	1.2	1.4	1.4	1.6	1.3	.3
1989-90	1.4	1.5	1.5	1.7	1.0	1.1
1990-91 <sup>2</sup>	2.1	1.3	1.5	1.5	.9	.9
10-Year Average	1.7	1.3	1.2	1.2	1.1	1.0

<sup>1</sup> Coarse Grains include barley, corn, rye, oats, sorghum and millet; excludes products.<sup>2</sup> Preliminary: subject to revision.

Source: USDA "PS&amp;D View," "World Grain Situation &amp; Outlook," January 1992.



TABLE XXXIX

**COARSE GRAINS CARRYOVER STOCKS IN THE MAJOR EXPORTING COUNTRIES  
LOCAL MARKETING YEARS 1981-82 TO 1990-91<sup>1</sup>**

Crop Year	Argentina	Australia	Canada	EC-12 <sup>2</sup> (million tonnes)	United States	China	Others	Total
1981-82	1.1	.4	6.5	8.3	78.0	30.4	26.1	150.8
1982-83	.6	.1	8.5	9.2	108.7	29.4	25.4	181.9
1983-84	.2	.6	4.1	5.5	39.9	33.4	27.0	110.7
1984-85	.7	.3	4.5	11.3	58.0	35.4	33.7	143.9
1985-86	.6	.2	5.8	16.5	127.0	24.7	33.4	208.2
1986-87	.6	.2	5.8	14.2	152.6	19.2	41.4	234.0
1987-88	.6	.4	6.2	14.0	134.1	19.6	38.7	213.6
1988-89	1.0	.5	4.7	15.7	66.2	17.4	43.8	149.3
1989-90	.5	.4	4.3	13.1	45.7	16.5	43.4	123.9
1990-91 <sup>3</sup>	.9	.2	5.7	13.7	47.8	27.0	40.1	135.4

<sup>1</sup> Coarse Grains include barley, corn, rye, oats, sorghum and millet.

<sup>2</sup> Includes unified Germany.

<sup>3</sup> Preliminary: subject to revision.

Sources: Canada – Statistics Canada.

All other countries/total – USDA "PS&D View," "World Grain Situation & Outlook," January 1992.

TABLE XL

**BARLEY PRODUCTION IN THE MAJOR PRODUCING COUNTRIES  
PRODUCTION YEARS 1981 TO 1990**

Year	EC-12 <sup>1</sup>	U.S.S.R. (former)	Canada (thousand tonnes)	United States	China	Turkey
1981	47 607	36 100	13 724	10 310	7 095	5 900
1982	50 711	43 000	13 965	11 233	6 968	6 400
1983	46 735	50 000	10 209	11 066	6 807	5 425
1984	59 413	41 800	10 279	13 021	7 296	6 500
1985	55 882	46 500	12 387	12 850	6 243	6 500
1986	51 051	53 889	14 569	13 249	5 632	6 300
1987	51 017	58 409	13 957	11 354	6 041	6 000
1988	54 015	44 463	10 216	6 314	6 180	7 000
1989	51 048	48 509	11 673	8 800	5 688	4 900
1990 <sup>2</sup>	50 773	61 000	13 925	9 192	5 700	6 000
10-Year Average	51 825	48 367	12 490	10 739	6 365	6 093

Year	Australia	Poland	Czechoslovakia (thousand tonnes)	Romania	Others	Total
1981	3 450	3 540	3 392	2 571	21 681	155 370
1982	1 939	3 647	3 654	3 052	22 765	167 334
1983	4 890	3 262	3 276	2 193	21 403	165 266
1984	5 554	3 555	3 677	2 448	23 137	176 680
1985	4 868	4 086	3 538	1 850	24 361	179 065
1986	3 611	4 412	3 530	1 950	25 239	183 432
1987	3 477	4 335	3 551	1 800	21 350	181 291
1988	3 306	3 804	3 400	3 000	27 002	168 700
1989	4 044	3 909	3 550	3 400	24 610	170 131
1990 <sup>2</sup>	4 055	4 217	4 051	2 700	24 687	186 300
10-Year Average	3 919	3 877	3 562	2 496	23 624	173 357

<sup>1</sup> Includes unified Germany.

<sup>2</sup> Preliminary: subject to revision.

Sources: Canada – Statistics Canada.

United States – USDA Crop Production Summary, NASS.

All other countries/total – "USDA PS&D View," "World Grain Situation & Outlook," January 1992.

TABLE XLI

**EXPORTS OF BARLEY BY PRINCIPAL EXPORTERS  
DISTRIBUTION BY QUANTITY AND PERCENTAGE OF WORLD TRADE TOTAL  
OCTOBER-SEPTEMBER CROP YEARS 1981-82 TO 1990-91<sup>1</sup>**

Crop Year	Australia	Canada	EC-12 <sup>2</sup> (thousand tonnes)	United States	Others	Total
1981-82	2 071 (14.7%)	5 722 (40.6%)	3 500 (24.8%)	1 962 (13.9%)	845 (6.0%)	14 100 (100.0%)
1982-83	600 (4.5%)	5 330 (40.1%)	3 900 (29.3%)	937 (7.0%)	2 533 (19.0%)	13 300 (100.0%)
1983-84	3 574 (21.7%)	5 267 (31.9%)	3 800 (23.0%)	2 052 (12.4%)	1 807 (11.0%)	16 500 (100.0%)
1984-85	4 665 (25.9%)	2 604 (14.5%)	7 600 (42.2%)	1 188 (6.6%)	1 943 (10.8%)	18 000 (100.0%)
1985-86	3 675 (20.0%)	3 592 (19.5%)	7 300 (39.7%)	755 (4.1%)	3 078 (16.7%)	18 400 (100.0%)
1986-87	2 230 (12.0%)	6 534 (35.1%)	6 200 (33.3%)	2 950 (15.9%)	686 (3.7%)	18 600 (100.0%)
1987-88	1 639 (10.2%)	4 374 (27.3%)	7 000 (43.8%)	2 909 (18.2%)	78 (.5%)	16 000 (100.0%)
1988-89	1 380 (8.2%)	2 617 (15.6%)	9 000 (53.6%)	1 728 (10.3%)	2 075 (12.4%)	16 800 (100.0%)
1989-90	2 397 (15.7%)	4 230 (27.6%)	6 700 (43.8%)	1 900 (12.4%)	73 (.5%)	15 300 (100.0%)
1990-91 <sup>3</sup>	2 685 (15.0%)	4 536 (25.3%)	7 500 (41.9%)	1 500 (8.4%)	1 679 (9.4%)	17 900 (100.0%)
10-Year Average	2 492	4 481	6 250	1 788	1 480	16 490

<sup>1</sup> Excludes malt; Canada: August/July.

<sup>2</sup> Excludes EC intra-trade; 1981-82 EC-10.

<sup>3</sup> Preliminary: subject to revision.

Because of rounding, percentages may not add.

Sources: Canada – Statistics Canada.

All other countries/total – USDA "PS&D View," "World Grain Situation & Outlook" Reports.

TABLE XLII

IMPORTS OF BARLEY INTO SELECTED COUNTRIES FROM ALL SOURCES  
OCTOBER-SEPTEMBER CROP YEARS 1981-82 TO 1990-91<sup>1</sup>

Crop Year	Saudi Arabia	U.S.S.R. (former)	Japan (thousand tonnes)	Libya	Iran	Algeria
1981-82	3 325	3 200	1 470	135	325	550
1982-83	2 270	2 200	1 280	375	650	355
1983-84	5 100	500	1 604	155	445	550
1984-85	4 700	4 700	1 666	365	600	535
1985-86	6 625	2 900	1 500	710	445	—
1986-87	9 000	3 000	1 185	410	70	35
1987-88	4 800	2 278	1 317	630	200	810
1988-89	4 600	3 215	1 335	430	450	540
1989-90	3 300	4 400	1 325	600	550	370
1990-91 <sup>2</sup>	4 500	4 500	1 400	700	400	100
10-Year Average	4 822	3 089	1 408	451	414	385

Crop Year	China	Taiwan	Israel (thousand tonnes)	Poland	Cyprus	Bulgaria
1981-82	155	500	210	365	200	50
1982-83	107	339	252	410	185	25
1983-84	100	325	230	37	283	2
1984-85	40	453	300	375	230	310
1985-86	325	267	335	220	250	1 175
1986-87	520	420	405	250	300	100
1987-88	335	330	535	300	245	190
1988-89	256	285	418	550	210	186
1989-90	600	200	215	125	300	100
1990-91 <sup>2</sup>	1 000	250	400	—	200	100
10-Year Average	344	337	330	263	240	224

<sup>1</sup> Excludes malt.

<sup>2</sup> Preliminary: subject to revision.

Source: USDA "PS&D View," "World Grain Situation & Outlook," January 1992.



TABLE XLIII

**BARLEY CARRYOVER STOCKS IN THE MAJOR EXPORTING COUNTRIES  
LOCAL MARKETING YEARS 1981-82 TO 1990-91**

Crop Year	Australia	Canada	EC-12 <sup>1</sup> (thousand tonnes)	United States	Others	Total
1981-82	50	4 131	2 707	3 218	7 481	17 587
1982-83	90	5 129	4 021	4 718	8 621	22 579
1983-84	53	1 971	2 138	4 124	8 736	17 022
1984-85	198	2 156	6 063	5 386	10 636	24 439
1985-86	84	3 309	8 739	7 125	10 491	29 748
1986-87	71	3 172	8 164	7 322	15 275	34 004
1987-88	72	3 707	7 493	6 992	13 934	32 198
1988-89	72	2 800	8 041	4 276	15 597	30 786
1989-90	75	2 046	6 881	3 501	14 897	27 400
1990-91 <sup>2</sup>	74	2 881	7 714	2 948	15 683	29 300

<sup>1</sup> Includes unified Germany.

<sup>2</sup> Preliminary: subject to revision.

Sources: Canada – Statistics Canada.

All other countries/total – USDA "PS&D View," "World Grain Situation & Outlook," January 1992.



*Wheat Board Senior Management Team (from left to right): Robert Hamilton, Executive Director, Marketing; Robert Roehle, Manager, Information; Lucille Evans, Corporate Secretary; Anders Bruun, Legal Counsel; David Olfert, Executive Director, Finance; Gilbert Booth, General Director, Grain Transportation; Larry Nentwig, General Director, Finance; Brian Oleson, Executive Director, Planning & Communications; Frank Guenther, General Director, Personnel; John Benci, General Director, Management Information Services; Pat Wallace, General Director, Country Services; (Not Pictured) William (Bill) Spafford, General Director, Sales and Market Development.*

Copies of this annual report are available in French upon request.

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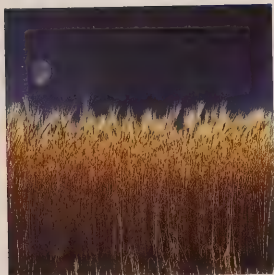
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## A REPUTATION FOR QUALITY

The Canadian Wheat Board is a reliable supplier of high quality wheat and barley to over 60 countries around the world. It also provides Prairie farmers with a strong presence in the international grain market.













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